

THE ASSOCIATION OF AMERICAN GEOGRAPHERS



AAG

ASSOCIATION *of*
AMERICAN GEOGRAPHERS

2011 Annual Meeting

April 12-16, 2011

Seattle, Washington

PROGRAM

The Association of American Geographers

1710 Sixteenth Street, NW

Washington, DC 20009-3198

Phone (202) 234-1450

Fax (202) 234-2744

Web www.aag.org

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Join the AAG

It is an exciting time to be a geographer. Interest in the field is growing, and the need for geographic knowledge and expertise is increasing.

Join or renew your membership at the on-site registration desk to save on your dues. Limited time offer.

Benefits

AAG members enjoy exclusive access to two scholarly journals, the monthly AAG Newsletter, discounts on publications, and much more.

When you join the AAG, you become part of an active community where you can meet and network with other geographers and related professionals. You also will learn about new approaches, methods, and techniques, develop your professional skills, and advance your career.

About the AAG

The AAG is a nonprofit scientific and educational society founded in 1904. For more than 100 years the AAG has contributed to the advancement of geography. The AAG also advances professional studies in geography and encourages the application of geographic research in education, government, and business.



FEBRUARY 24-28, 2012

AAG ANNUAL MEETING NEW YORK 2012

Join Us in New York

The Association of American Geographers invites you to join us for the next AAG Annual Meeting in New York from February 24 to February 28, 2012.

Special Sessions & Workshops

The program will feature presentations from many leading scholars and experts on the latest in research and applications in geography, sustainability and GIScience, such as:

- Historical GIS
- Cultural Geography
- Cartography
- Climate Change, GIS & Natural Hazards
- Geography Education
- Human Geography
- Geospatial Information Technologies
- And More!

Call for Papers

The AAG Annual Meeting is an interdisciplinary forum open to anyone with an interest in geography and related disciplines. Presentations from scholars, researchers, and students are welcome. Look for the call for papers soon. Visit www.aag.org/annualmeeting for updates and more information.

We look forward to seeing you in New York!



Advancing Geography in Partnership with You
202-234-1450 • www.aag.org

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Presenting author(s) are indicated with an asterisk ().*

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Kathleen Braden, Seattle Pacific University
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Chris S. Duvall, University of New Mexico
Qingfang Wang, University of North Carolina, Charlotte

GENERAL INFORMATION

ACCESSIBILITY

In support of the Americans with Disabilities Act, the AAG and its contracted facilities will accommodate reasonable requests for accessibility to the extent possible. Individuals requiring special accommodations are asked to make their specific needs known to the AAG or to the facilities.

ALCOHOL

The AAG expects all attendees to act responsibly when consuming alcoholic beverages. Consumption of alcohol by those under the age of 21 is prohibited.

BAGS/COATS/PACKAGES

For security reasons, the AAG is unable to hold attendees' bags, packages, briefcases, coats, laptops or other personal items at registration. For your own safety and the security of your belongings, we strongly recommend checking these items at a hotel bell stand.

CHILD CARE

The AAG will provide limited reimbursement to registered attendees to subsidize part of the necessary child care expenses incurred during the meeting at a licensed child care provider up to a maximum of \$300. Reimbursement forms should be submitted to the AAG after the conference along with **original** receipts that clearly show the hourly or daily rate and the number of hours for each day and a check will be mailed to you. Total reimbursement is limited to \$300 per family.

Reimbursement is only available for childcare on-site in Seattle, Washington. No reimbursement is made for childcare at your home while you are in Seattle, Washington or for childcare provided by anyone other than a licensed childcare agency. All childcare arrangements should be made by the individual attendee. Licensed childcare agencies in the Seattle, Washington area include: A Nanny for U (206-525-1510), Annie's Nannies (206-784-8462), and The Seattle Nanny Network (425-803-9511), among others. AAG does not endorse, recommend, or promote any one agency. Responsibility for selection and investigation of an agency's credentials is the sole responsibility of the child's parent or guardian.

CONFERENCE VOLUNTEERS

Please report to the Conference Volunteer Desk (next to the AAG Registration Desk located in the East Lobby of the Washington State Convention Center) no later than 20 minutes prior to your first scheduled shift. Upon check in you will receive all pertinent information and instructions regarding your duties.

EXHIBITS

A vital part of the AAG Annual Meeting is the exhibit hall, where AAG members and attendees can see the latest tools in teaching, field research, graphic applications, computer modeling, and data collection and analysis. Learn about the most recent technical advances in the field, including cartography, GIS, and GPS. You'll also be able to view and order geography-related textbooks and publications while meeting with publishers. The AAG Annual Meeting Exhibit Hall is located in 6ABC on Level 6 of the Washington State Convention Center.

EXHIBIT HALL HOURS

Tuesday, April 12

8:00 p.m. - 9:30 p.m. Exhibit Hall Opening Reception

Wednesday, April 13

9:30 a.m. - 5:30 p.m. Exhibit Hall Open

Thursday, April 14

11:00 a.m. - 9:30 p.m. Exhibit Hall Open
8:00 p.m. - 9:30 p.m. International Reception in the Exhibit Hall

Friday, April 15

9:30 a.m. - 3:30 p.m. Exhibit Hall Open

INTERNET ACCESS

Complimentary internet access will be provided by the AAG on Level 6 of the Washington State Convention Center. Log-on instructions will be available at the AAG Registration Desk, also on Level 6 of the Washington State Convention Center.

The Sheraton Seattle Hotel offers complimentary internet stations in the lobby of the hotel. Attendees staying at the Sheraton may utilize these computers at any time.

GENERAL INFORMATION

MEETING VENUES

Sessions, workshops and special events will take place in either the Washington State Convention Center or the Sheraton Seattle Hotel. All field trips will depart from the Parking Garage Entrance on the Lower Level of the Washington State Convention Center.

Washington State Convention Center (WSCC)

800 Convention Place
Seattle, WA 98101-2350
(206) 694-5000

Sheraton Seattle Hotel

1400 Sixth Avenue
Seattle, WA 98101
(206) 621-9000

To access the session rooms in the Sheraton Seattle Hotel, exit the Washington State Convention Center at the Pike and 7th Street entrance. Cross over 7th Street. The entrance to the Sheraton will be on your left.

MOBILITY ASSISTANCE

Conference assistants will be stationed at the entrance of both hotels to provide directions and mobility assistance between the two facilities as needed.

NON-SMOKING POLICY

The AAG maintains a non-smoking policy in all meeting rooms, the exhibit area, and the registration area. Smoking is allowed only in designated smoking areas of the facilities.

PHOTOGRAPHY IN SESSIONS

Photos may not be taken during paper or poster presentations without the permission of the presenter. Anyone taking a photo without permission will be asked to leave the conference.

PRESENTATION CONTENT

The Annual Meeting of the Association of American Geographers is an open forum for sharing the results of research and teaching in geography and related specialties. The contents of annual meeting presentations by individuals or groups at the annual meeting are theirs alone. The Association of American Geographers neither endorses nor disclaims the conclusions, interpretations, or opinions expressed by speakers at its annual meeting.

PROFESSIONAL CONDUCT

Professional ideas and information are exchanged most effectively at the AAG Annual Meeting in an atmosphere free of abuse or harassment and characterized by courtesy and respect. To that end, the AAG expects all individuals who attend to conduct themselves in a manner that establishes an atmosphere free from discriminatory practices.

REGISTRATION

The AAG Registration Desk will be located in the East Lobby on Level 6 of the Washington State Convention Center. Registration will be open during the following hours:

Monday, April 11	4:00 p.m. - 7:00 p.m.
Tuesday, April 12	8:00 a.m. - 7:30 p.m.
Wednesday, April 13	7:00 a.m. - 7:00 p.m.
Thursday, April 14	7:00 a.m. - 7:00 p.m.
Friday, April 15	7:30 a.m. - 5:00 p.m.
Saturday, April 16	7:30 a.m. - 12:00 p.m.

SESSION CHAIRS

See instructions on page 66.

SHERATON SEATTLE HOTEL

Location of Rooms

See pages 68-69 for the Key to Room Numbers and Session Numbers.

The rooms on the Second Floor of the Sheraton can be accessed by both the Pike and Union Tower elevator banks. The rooms on the Third, Fourth and Thirty Fifth Floors can **only** be accessed by the tower elevator bank indicated below.

Rooms by Floor:

THIRTY FIFTH FLOOR (Pike Tower)

Room Name	Session Room Code#
Cirrus Ballroom	Room #48

FOURTH FLOOR (Pike Tower)

Room Name	Session Room Code#
Alki/Dashpoint	Room #49
Pacific	Room #53
Richmond	Room #55
Shilshole	Room #57

FOURTH FLOOR (Union Tower)

Room Name	Session Room Code#
Boren	Room #50
Columbia	Room #51
Jefferson	Room #52
Pike	Room #54
Seneca	Room #56
University	Room #58
Virginia	Room #59

THIRD FLOOR (Pike Tower)

Room Name	Session Room Code#
Admiral	Room #60
Ballard	Room #61
Capitol Hill	Room #62
Everett	Room #63
Metropolitan Ballroom A	Room #71
Metropolitan Ballroom B	Room #72

THIRD FLOOR (Union Tower)

Room Name	Session Room Code#
Fremont	Room #64
Greenwood	Room #65
Issaquah A	Room #66
Issaquah B	Room #67
Kirkland	Room #68
Leschi	Room #69
Medina	Room #70
Queen Anne	Room #73
Ravenna	Room #74
Wallingford	Room #75

SECOND FLOOR

Room Name	Session Room Code#
Aspen Room	Room #76
Cedar Room	Room #77
Douglas Room	Room #78
Grand Ballroom A	Room #79
Grand Ballroom B	Room #80
Grand Ballroom C	Room #81
Grand Ballroom D	Room #82
Juniper Room	Room #83
Madrona Room	Room #84
Spruce Room	Room #85
Willow A	Room #86
Willow B	Room #87

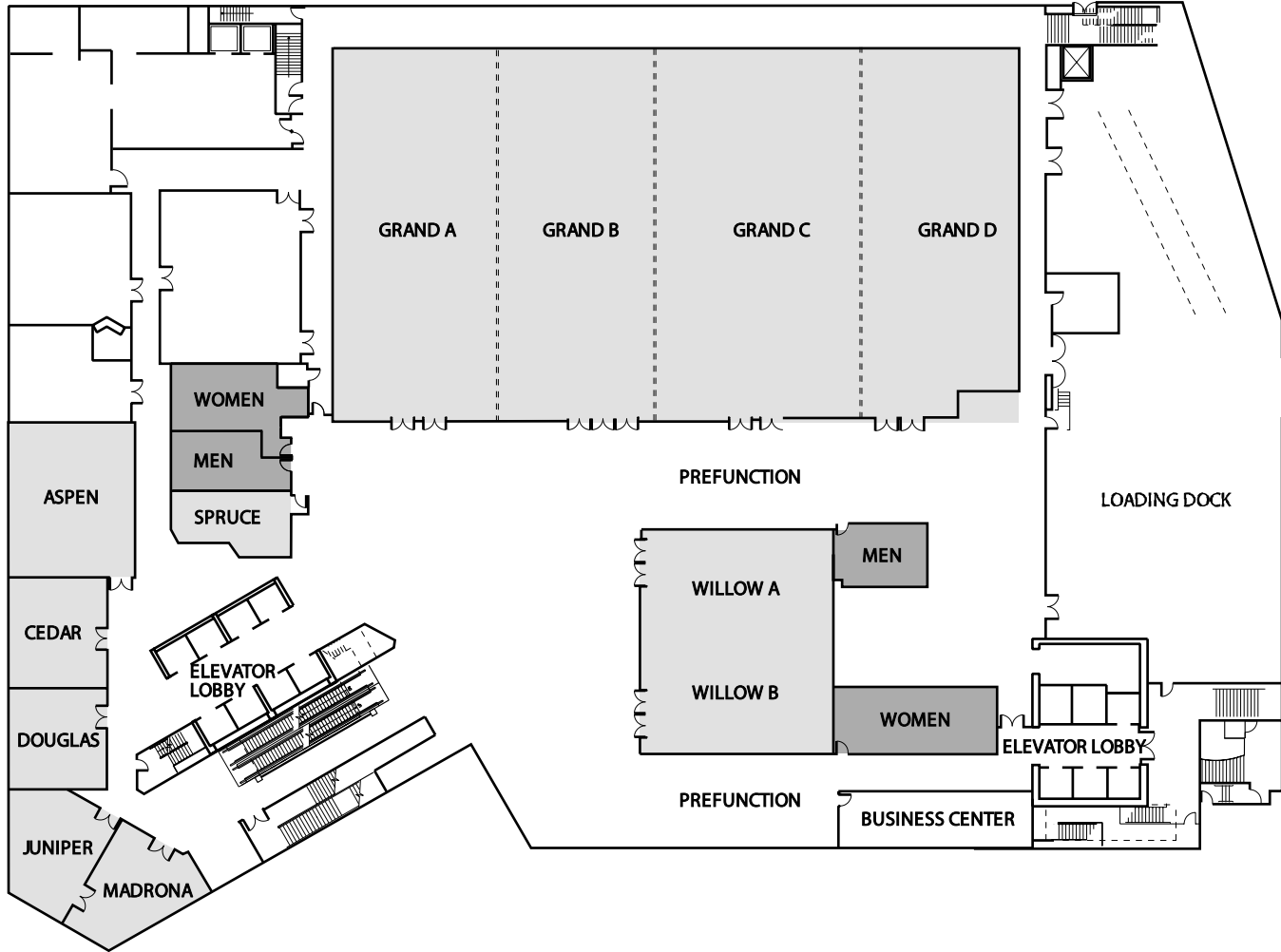
Rooms Alphabetically:

Room Name	Session Room Code#	Location
Admiral	Room #60	Pike Tower, Third Floor
Alki/Dashpoint	Room #49	Pike Tower, Fourth Floor
Aspen Room	Room #76	Second Floor
Ballard	Room #61	Pike Tower, Third Floor
Boren	Room #50	Union Tower, Fourth Floor
Capitol Hill	Room #62	Pike Tower, Third Floor
Cedar Room	Room #77	Second Floor
Cirrus Ballroom	Room #48	Pike Tower, Thirty Fifth Floor
Columbia	Room #51	Union Tower, Fourth Floor
Douglas Room	Room #78	Second Floor
Everett	Room #63	Pike Tower, Third Floor
Fremont	Room #64	Union Tower, Third Floor
Grand Ballroom A	Room #79	Second Floor
Grand Ballroom B	Room #80	Second Floor
Grand Ballroom C	Room #81	Second Floor
Grand Ballroom D	Room #82	Second Floor
Greenwood	Room #65	Union Tower, Third Floor
Issaquah A	Room #66	Union Tower, Third Floor
Issaquah B	Room #67	Union Tower, Third Floor
Jefferson	Room #52	Union Tower, Fourth Floor
Juniper Room	Room #83	Second Floor
Kirkland	Room #68	Union Tower, Third Floor
Leschi	Room #69	Union Tower, Third Floor
Madrona Room	Room #84	Second Floor
Medina	Room #70	Union Tower, Third Floor
Metropolitan Ballroom A	Room #71	Pike/Union Tower, Third Floor
Metropolitan Ballroom B	Room #72	Pike/Union Tower, Third Floor
Pacific	Room #53	Pike Tower, Fourth Floor
Pike	Room #54	Union Tower, Fourth Floor
Queen Anne	Room #73	Union Tower, Third Floor
Ravenna	Room #74	Union Tower, Third Floor
Richmond	Room #55	Pike Tower, Fourth Floor
Seneca	Room #56	Union Tower, Fourth Floor
Shilshole	Room #57	Pike Tower, Fourth Floor
Spruce Room	Room #85	Second Floor
University	Room #58	Union Tower, Fourth Floor
Virginia	Room #59	Union Tower, Fourth Floor
Wallingford	Room #75	Union Tower, Third Floor
Willow A	Room #86	Second Floor
Willow B	Room #87	Second Floor

SHERATON SEATTLE HOTEL

Second Floor

Second Floor

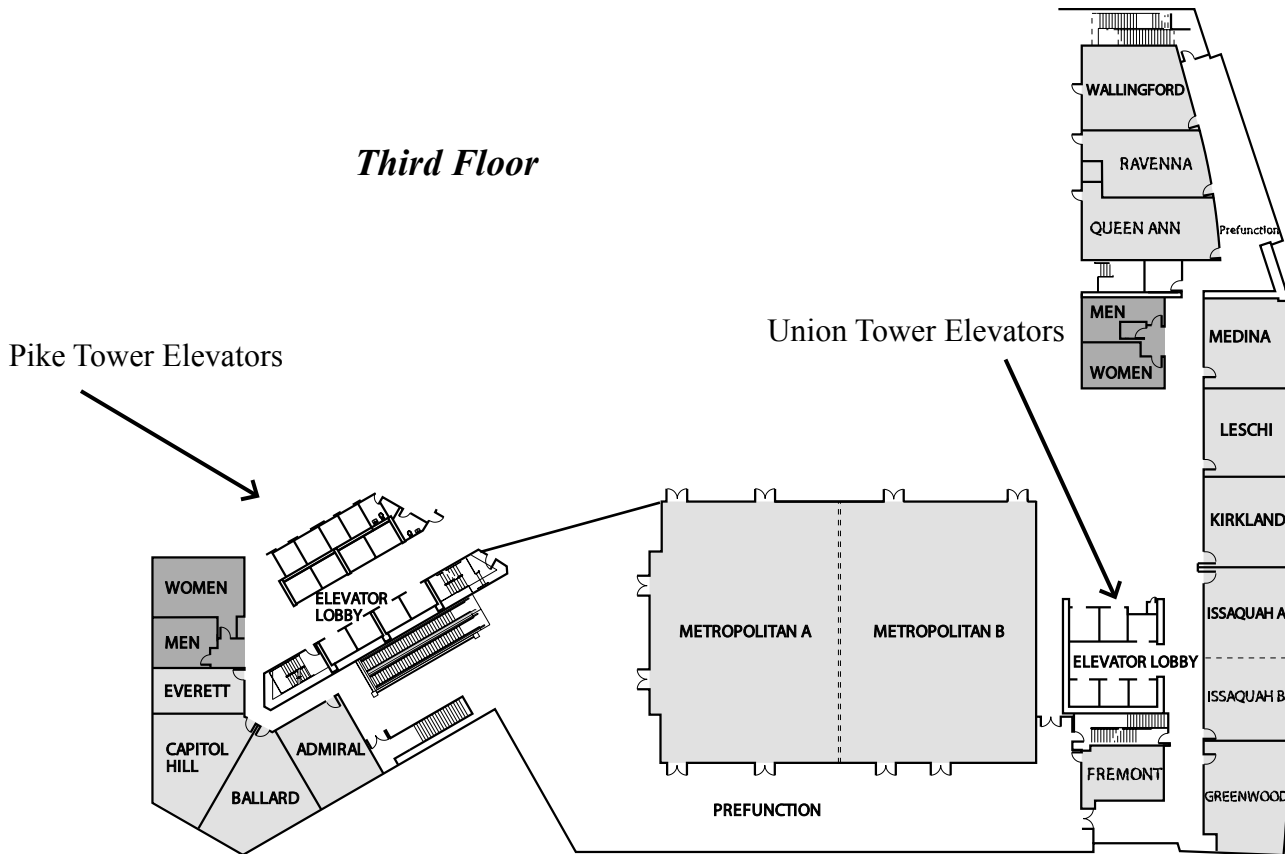


Note: All rooms on the Second Floor of the Sheraton Hotel can be accessed by both the Union Tower and Pike Tower elevator banks.

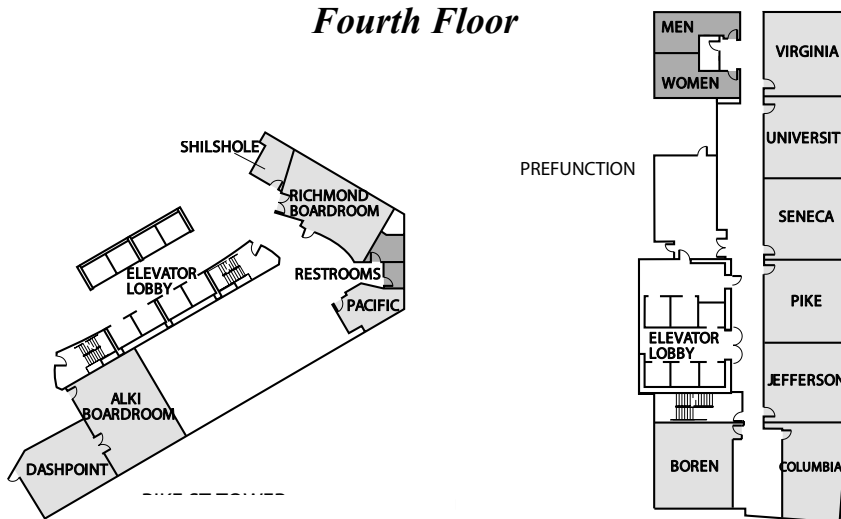
SHERATON SEATTLE HOTEL

Third, Fourth and Thirty Fifth Floors

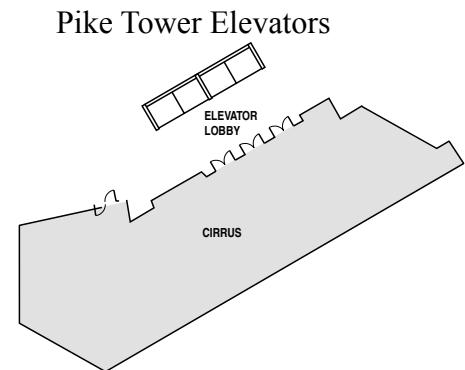
Third Floor



Fourth Floor



Thirty Fifth Floor



Pike Tower

Union Tower

Ashgate's Newest Scholarship in Human Geography



ASHGATE



Alcohol, Drinking, Drunkenness

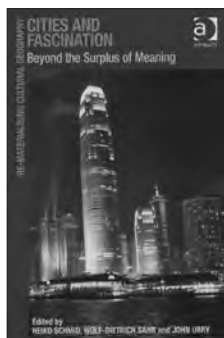
(Dis)Orderly Spaces

Edited by **Mark Jayne**, University of Manchester, UK, **Gill Valentine**, University of Leeds, UK and **Sarah L. Holloway**, Loughborough University, UK

"...an exceptionally important and comprehensive book..."

—Geoffrey Hunt, Institute for Scientific Analysis, San Francisco

December 2010 168 pages
978-0-7546-7160-2 Hardback



The Ashgate Research Companion to Planning Theory

Conceptual Challenges for Spatial Planning

July 2010 520 pages
978-0-7546-7254-8 Hardback
ASHGATE ORIGINAL REFERENCE

Cities and Fascination

Beyond the Surplus of Meaning

Edited by **Heiko Schmid**, University of Jena, Germany, **Wolf-Dietrich Sahr**, Universidade Federal do Paraná, Brasil and **John Urry**, Lancaster University, UK
RE-MATERIALISING CULTURAL GEOGRAPHY

"A cutting-edge journey across the frontiers of urban theory, Cities and Fascination excavates the ways in which contemporary cities sear their way into our minds, captivate our hearts and dominate our imaginations..."

—Stephen Graham, Newcastle University, UK
March 2011 262 pages
978-1-4094-1853-5 Hardback

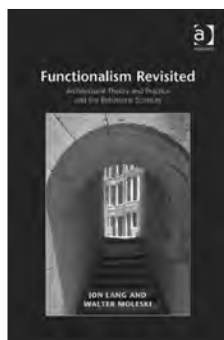
Embodied Food Politics

Edited by **Michael S. Carolan**, Colorado State University
CRITICAL FOOD STUDIES

"...this book explores what is being lost as food production loses its singular locations, as well as what can be regained with a greater appreciation of 'embodied knowledge.'"

—Carolyn Korsmeyer, SUNY, Buffalo

April 2011 198 pages
978-1-4094-2209-9 Hardback



Functionalism Revisited

Architectural Theory and Practice and the Behavioral Sciences

Edited by **Jon Lang**, University of New South Wales, Australia, **ERG/Environmental Research Group**, Philadelphia and **Walter Moleski**, Drexel University and **ERG/Environmental Research Group**, Philadelphia

"...Both international and interdisciplinary in scope, Functionalism Revisited needs to be read by architects, urban designers and their clients, now more than ever."

—Karen A. Franck, New Jersey Institute of Technology

December 2010 376 pages
978-1-4094-0701-0 Hardback

Geographies of Mobilities: Practices, Spaces, Subjects

Edited by **Tim Cresswell**, University of London, UK and **Peter Merriman**, Aberystwyth University, UK

"...acute and fascinating contributions which open up this new world to inspection and analysis."

—Nigel Thrift, University of Warwick, UK

December 2010 288 pages
978-0-7546-7316-3 Hardback

The Imaginative Institution: Planning and Governance in Madrid

Edited by **Michael Neuman**, Texas A&M University

October 2010 264 pages
978-1-4094-0541-2 Hardback

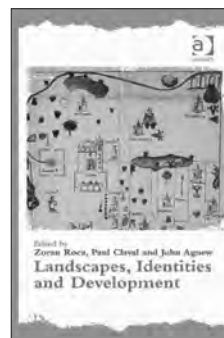
Imagining Sustainable Food Systems

Theory and Practice
Edited by **Alison Blay-Palmer**, Wilfrid Laurier University

"...a 'must-read' for those interested in developing a sustainable future."

—Sarah Wakefield, University of Toronto

October 2010 264 pages
978-0-7546-7816-8 Hardback



Landscapes, Identities and Development

Edited by **Zoran Roca**, Universidade Lusófona de Humanidades e Tecnologias, Portugal, **Paul Claval**, University of Paris I-Sorbonne, France and **John Agnew**, University of California, Los Angeles

"This delightfully wide-ranging collection is a timely exploration of the nexus of landscape, identity and development which successfully combines theory and practice..."

—Diana Davis, University of California, Davis
February 2011 508 pages
978-1-4094-0554-2 Hardback

Learning from Delhi

Dispersed Initiatives in Changing Urban Landscapes

Edited by **Shamoon Patwari** and **Bo Tang**, London Metropolitan University, UK

"...The reader is offered beautiful and mind blowing complicated plans of existing settlements that have been surveyed, not copied and pasted..."

—The Architectural Review

December 2010 322 pages
978-1-4094-0102-5 Paperback

Mapping the End Times

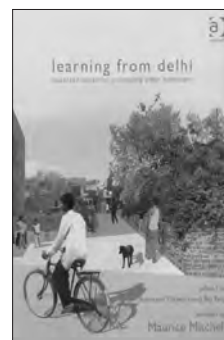
American Evangelical Geopolitics and Apocalyptic Visions

Edited by **Jason Dittmer**, University College London, UK and **Tristan Sturm**, University of California, Los Angeles

"...Challenging, powerful and disturbing, this is a much needed volume on a pressing geopolitical concern."

—Stuart Elden, Durham University, UK

January 2010 280 pages
978-1-4094-0083-7 Paperback



Space, Place and Mental Health

Edited by **Sarah Curtis**, University of Durham, UK

ASHGATE'S GEOGRAPHIES OF HEALTH SERIES

"...a landmark work, deftly demonstrating the power of geographical perspectives in understanding how mental well-being is the product of inter-related material, social and symbolic environments...will be an essential and well-used resource for researchers, teachers and informed practitioners."

—Hester Parr, University of Glasgow, UK

August 2010 316 pages
978-0-7546-7331-6 Hardback

Taking-Place: Non-Representational Theories and Geography

Edited by **Ben Anderson** and **Paul Harrison**, both at Durham University, UK

"Taking-Place is a beautifully illustrated map of the most interesting work being pursued in geography today..."

—Jane Bennett, The Johns Hopkins University

July 2010 392 pages
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Unquiet Pasts

Risk Society, Lived Cultural Heritage, Re-designing Reflexivity

Edited by **Stephanie Koerner**, University of Manchester, UK and **Ian Russell**, Brown University

HERITAGE, CULTURE AND IDENTITY

"This fascinating and important collection demonstrates the creative possibilities of a reflexive, self-aware analysis of a learned practice..."

—Jerome Ravetz, Oxford University, UK

August 2010 442 pages
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Visit Ashgate in the exhibit hall to pick up a copy of our latest Human Geography catalog and to purchase display titles at 50% off. To discuss a proposal, visit Katy Crossan at booth 111.

ASHGATE

www.ashgate.com/AAG2011

All display copies 50% off!

WASHINGTON STATE CONVENTION CENTER (WSCC)

Location of Rooms

See pages 68-69 for the Key to Room Numbers and Session Numbers.

Rooms by Level:

LEVEL 6

Room Name	Session Room Code#
601	Room #01
602	Room #02
603	Room #03
604	Room #04
605	Room #05
606	Room #06
607	Room #07
608	Room #08
609	Room #09
610	Room #10
611	Room #11
612	Room #12
613	Room #13
614	Room #14
615	Room #15
616	Room #16
617	Room #17
618	Room #18
619	Room #19
620	Room #20
6ABC	Room #21 <i>AAG Exhibit Hall, JIG</i>
6E	Room #22
East Lobby	<i>AAG Registration Desk and Conference Volunteer Desk</i>

LEVEL 4

Room Name	Session Room Code#
401	Room #23

LEVEL 3

Room Name	Session Room Code#
301	Room #24
302	Room #25
303	Room #26
304	Room #27
305	Room #28
306	Room #29
307	Room #30
308	Room #31
309	Room #32
310	Room #33
3A	Room #34
3B	Room #35

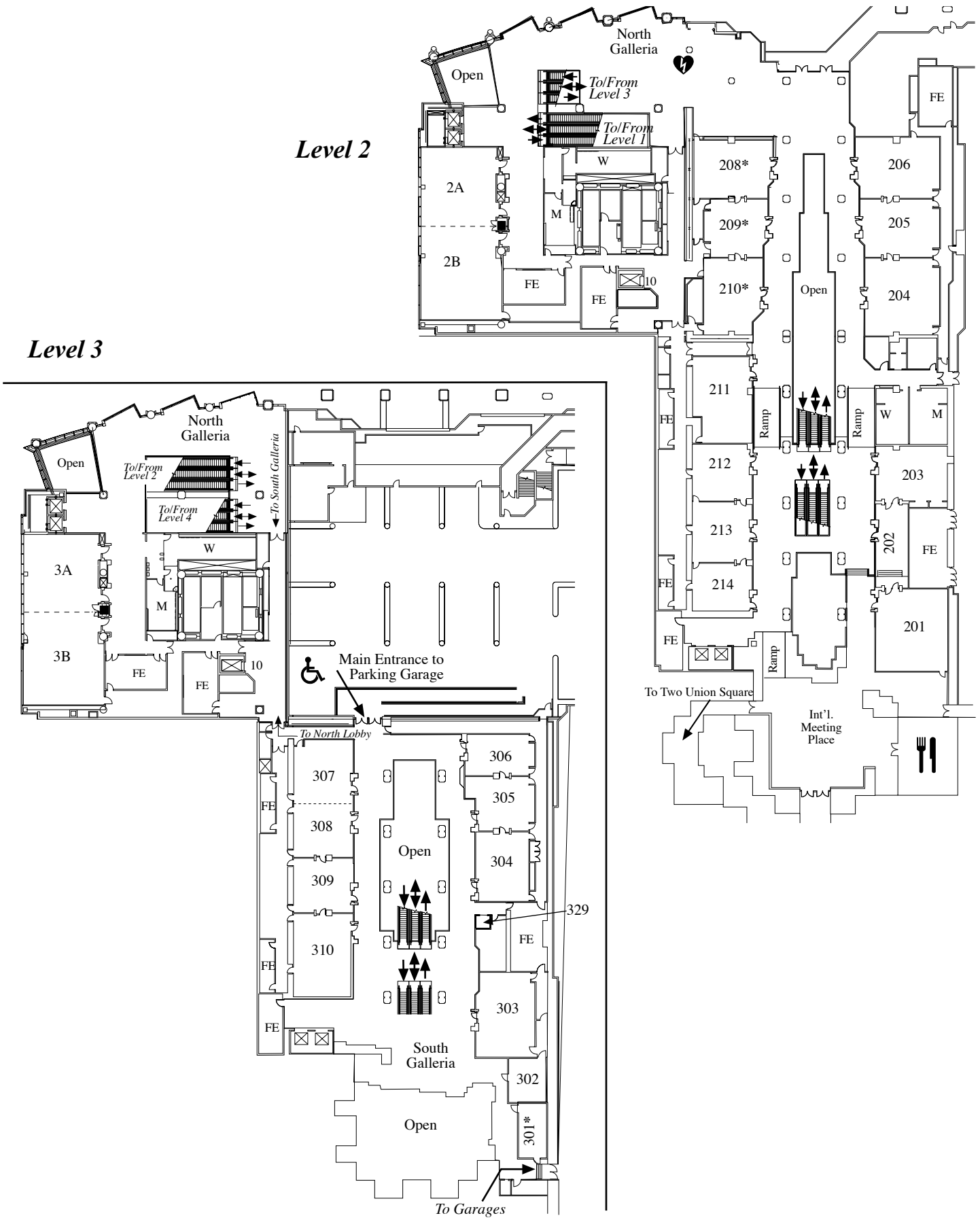
LEVEL 2

Room Name	Session Room Code#
201	Room #36
202	Room #37
203	Room #38
204	Room #39
205	Room #40
206	Room #41
211	Room #42
212	Room #43
213	Room #44
214	Room #45
2A	Room #46
2B	Room #47

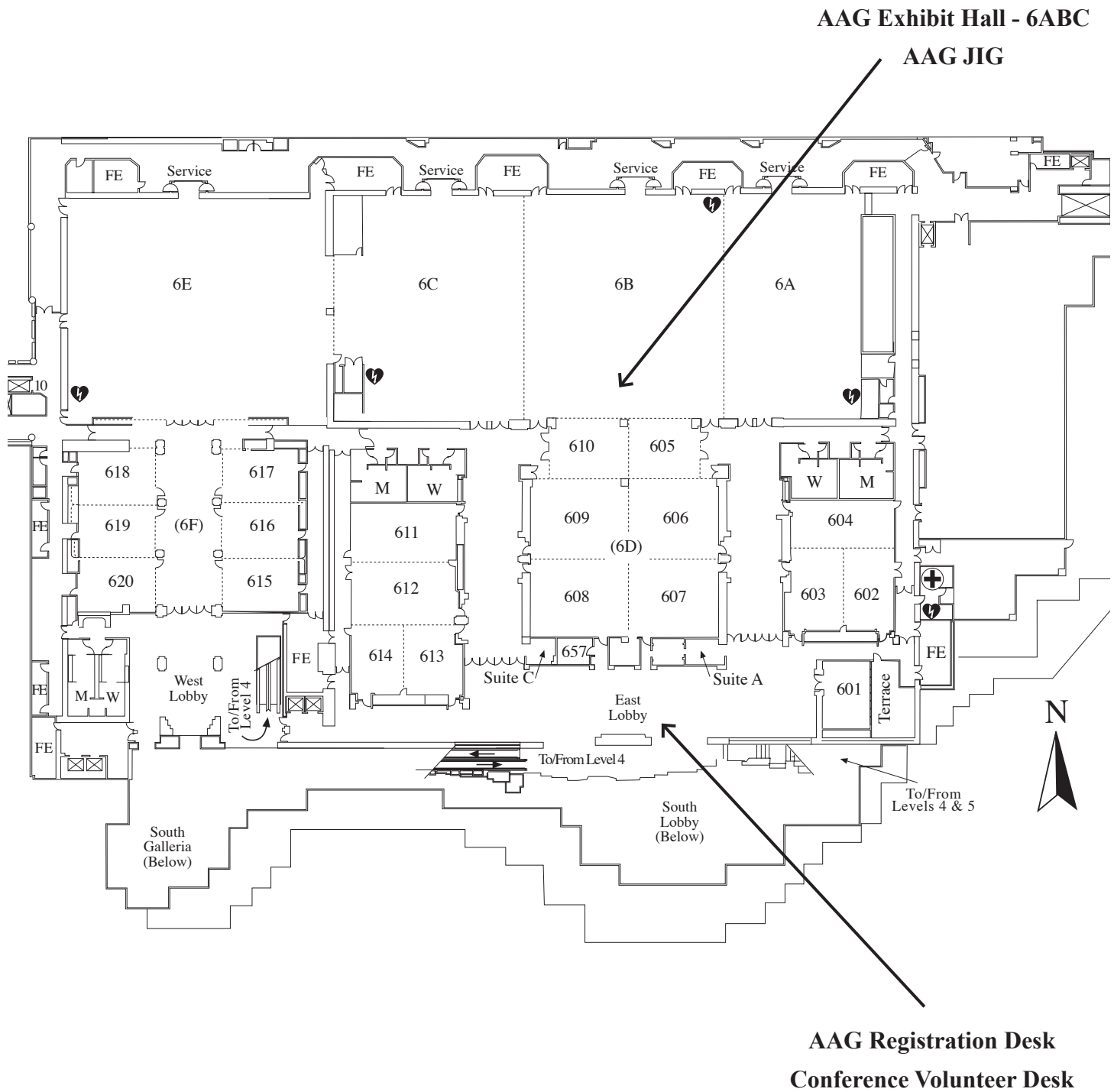
Rooms Alphabetically:

Room Name	Session Room Code#	Location
201	Room #36	Level 2
202	Room #37	Level 2
203	Room #38	Level 2
204	Room #39	Level 2
205	Room #40	Level 2
206	Room #41	Level 2
211	Room #42	Level 2
212	Room #43	Level 2
213	Room #44	Level 2
214	Room #45	Level 2
301	Room #24	Level 3
302	Room #25	Level 3
303	Room #26	Level 3
304	Room #27	Level 3
305	Room #28	Level 3
306	Room #29	Level 3
307	Room #30	Level 3
308	Room #31	Level 3
309	Room #32	Level 3
310	Room #33	Level 3
401	Room #23	Level 4
601	Room #01	Level 6
602	Room #02	Level 6
603	Room #03	Level 6
604	Room #04	Level 6
605	Room #05	Level 6
606	Room #06	Level 6
607	Room #07	Level 6
608	Room #08	Level 6
609	Room #09	Level 6
610	Room #10	Level 6
611	Room #11	Level 6
612	Room #12	Level 6
613	Room #13	Level 6
614	Room #14	Level 6
615	Room #15	Level 6
616	Room #16	Level 6
617	Room #17	Level 6
618	Room #18	Level 6
619	Room #19	Level 6
620	Room #20	Level 6
2A	Room #46	Level 2
2B	Room #47	Level 2
3A	Room #34	Level 3
3B	Room #35	Level 3
6ABC	Room #21	Level 6
6E	Room #22	Level 6

WASHINGTON STATE CONVENTION CENTER (WSCC) Level 2 and 3



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PLENARY SESSIONS AND SPECIAL EVENTS

AAG OPENING SESSION

Tuesday, April 12, 6:30 p.m. - 8:00 p.m.

Room: 6E - Washington State Convention Center, Level 6

Welcoming remarks:

Douglas Richardson, AAG Executive Director
Kenneth E. Foote, AAG President, University of Colorado at Boulder

Presidential Plenary: Geography in the Changing Worlds of Higher Education: Opportunities and Challenges

Organizer: **Kenneth E. Foote**, AAG President, University of Colorado at Boulder

The 2011 AAG Presidential Plenary Session, "Geography in the Changing Worlds of Higher Education: Opportunities and Challenges," will explore geography's future in the context of the changing role of the university in society. This special session was organized by AAG President Kenneth E. Foote. Plenary speakers, **Duane Nellis**, President, University of Idaho, **Maresi Nerad**, Director, Center for Innovation and Research in Graduate Education at the University of Washington, and **Orlando Taylor**, President, The Chicago School of Professional Psychology's Washington DC campus, will share perspectives based on a wealth of experience and research into current trends.

AAG OPENING RECEPTION in the Exhibit Hall

Tuesday, April 12, 8:00 p.m. - 9:30 p.m.

Room: AAG Exhibit Hall: 6ABC - Washington State Convention Center, Level 6

This reception is an opportunity to see old friends and meet colleagues at the outset of the AAG Annual Meeting. The reception is held in the Exhibit Hall where attendees will be able to see the variety of products and services available to AAG Annual Meeting attendees. See pages 56-58 for a list of exhibitors and an exhibit hall floor plan. Free drink ticket (provided in your registration packet). Please note: the free drink ticket can be used for this reception or for the International Reception on Thursday, April 14, 8:00 p.m. - 9:30 p.m.

The Role of Geography in Census 2010 and the Census Bureau

Wednesday, April 13, 11:50 a.m. - 12:30 p.m.

Room: 608 - Washington State Convention Center, Level 6

Organized by: Association of American Geographers

Chair: Michael Ratcliffe, U.S. Census Bureau

Introduction: Patricia Gober, Arizona State University

Speaker: **Timothy F. Trainor**, U.S. Census Bureau

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Geospatial data and geographic information system technologies are critical to successful planning and implementation decennial census data collection operations, and for the tabulation and dissemination of data. Through a variety of geographic partnership programs, Census Bureau geographers collected updates to the Census Bureau's master address file, to the road network in the TIGER database, and to the universe and boundaries of geographic entities that would be used to tabulate data. It is difficult to find any data collection and tabulation program in the Census Bureau that does not rely upon accurate geospatial data and geographic area information. In this plenary, Timothy Trainor, Chief of the Census Bureau's Geography Division, will discuss the role of geography and geographic information in Census 2010 and in the Census Bureau. Mr. Trainor will also discuss the variety of work in which geographers are engaged throughout the Census Bureau.

Geography and the Humanities: From Scientism to Humanism: Geography and the Two Cultures

Wednesday, April 13, 6:30 p.m. - 7:30 p.m.

Room: 6E - Washington State Convention Center, Level 6

Introduction: Audrey Kobayashi, AAG Vice President, Queens University, Ontario

Speaker: **David Lowenthal**, University College, London

David Lowenthal is a towering figure in the discipline of geography whose many articles, books and presentations have influenced humanistic research on landscape tastes and perceptions, conservation, the relationship between history and cultural heritage, and the history of geographic thought. His studies have embraced North America, the West Indies and Britain. He is an authority on the 19th century North American philologist, geographer and environmentalist George Perkins Marsh, whose work laid the foundations of the environmental conservation movement in the United States. A renowned and prolific author, his work includes the highly regarded *The Past Is a Foreign Country* (Cambridge University Press, 1985).

Lowenthal recently received the Forbes Prize for "conspicuous services to conservation," presented by the International Institute for Conservation of Historic and Artistic Works, its highest honor. He made pioneering contributions to defining conservation goals, and his services to national and international heritage agencies and institutions have included UNESCO, the International Council on Monuments and Sites, the International Council of Museums, the International Centre for the Study of the Preservation and Restoration of Cultural Property (ICCROM), the Getty Conservation Institute, the World Monuments Fund, the Council of Europe, Europa Nostra, English Heritage, the US National Trust for Historic Preservation, the National Trust of Australia, and the Norwegian Directorate of Cultural Heritage.

Lowenthal earned his PhD in history from the University of Wisconsin after receiving an M.A. in geography from the University of California, Berkeley in 1950, and a B.S. in history from Harvard University in 1944.

PLENARY SESSIONS AND SPECIAL EVENTS

Lunchtime Plenary Address by Jack Dangermond, President of Esri

Thursday, April 14, 11:40 a.m. - 12:30 p.m.

Room: Grand Ballroom C - Sheraton Hotel, Second Floor

Introduction: Douglas Richardson, AAG Executive Director

Speaker: **Jack Dangermond**, President, Esri

NSF SBE 2020 Initiative: Next Generation Research Challenges at NSF

Thursday, April 14, 11:50 a.m. - 12:30 p.m.

Room: Grand Ballroom B - Sheraton Hotel, Second Floor

Organizer: Douglas Richardson, AAG Executive Director

Introduction: Thomas Baerwald, NSF

Speaker: **Myron Gutmann**, Assistant Director, NSF Directorate
for Social, Behavioral and Economic Sciences

AAG PAST PRESIDENT'S ADDRESS

Framing and Re-framing Questions of Human- Environment Interactions

by **Carol P. Harden**

Thursday, April 14, 6:30 p.m. - 7:45 p.m.

Room: 6E - Washington State Convention Center, Level 6

Introductions: Douglas Richardson, AAG Executive Director
Kenneth E. Foote, AAG President, University
of Colorado at Boulder

Speaker: **Carol P. Harden**, AAG Past President,
University of Tennessee

In her Past President's Address at the 2011 Annual Meeting, Carol Harden will examine how, over time, geographers have changed the ways in which they frame studies of the complex interrelationships that link people and places. "Framing and Re-framing Questions of Human-Environment Interactions" will build on Mel Marcus' 1979 AAG presidential address by reviewing and extending the history of physical geography over the past century.

Recent recognition of profound and widespread environmental change has brought human-environment interactions back onto center stage. Although physical geographers have a strong tradition of studying the impacts of human actions on the environment, Harden will suggest that, after having once ventured too far down the paths of environmental determinism and social Darwinism, geography as a whole has done too little to advance understanding of the feedbacks through which the
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environment influences the options and decisions of people and societies. Harden will use examples from her research in the Andes to illustrate feedbacks between humans and their environments and to emphasize that the atmosphere is only one aspect of the interactive, human-environment system undergoing change.

The AAG Presidential Achievement Award will also be presented to Professor **Patricia Gober**, Arizona State University, prior to the Past President's Address.

7:45 p.m. Tribal Welcome of AAG attendees to Seattle and to the AAG International Reception, **Cecile A. Hansen**, Chairwoman of the Duwamish Tribe

AAG INTERNATIONAL RECEPTION in the Exhibit Hall

Thursday, April 14, 8:00 p.m. - 9:30 p.m.

Room: AAG Exhibit Hall: 6ABC - Washington State Convention Center, Level 6

Mingle with colleagues from around the world at the AAG International Reception in the Exhibit Hall. The reception will provide opportunities for all AAG participants to welcome overseas attendees and explore with them common interests in teaching, research, and service. Free drink with AAG ticket (provided in your registration packet). See pages 56-58 for a list of exhibitors and an exhibit hall floor plan. Please note: the free drink ticket can be used for this reception or for the Exhibit Hall Opening Reception on Tuesday, April 12, 8:00 p.m. - 9:30 p.m.

Keynote Plenary: Geography and the Humanities AAG Honorary Geographer, Barry Lopez

Friday, April 15, 6:30 p.m. - 7:15 p.m.

Room: 6E - Washington State Convention Center, Level 6

Organized by: Association of American Geographers

Introduction: Douglas Richardson, AAG Executive Director

Speaker: **Barry Lopez**

Barry Lopez is the winner of the National Book Award for *Arctic Dreams: Imagination and Desire in a Northern Landscape*. His writing appears regularly in *Harper's*, *The Paris Review*, *DoubleTake*, and many other publications. His most recent book is *Home Ground: Language for an American Landscape*, which he co-edited.

PLENARY SESSIONS AND SPECIAL EVENTS

AAG AWARDS LUNCHEON

Saturday, April 16, 1:50 p.m. - 3:50 p.m.

Room: Grand Ballroom A&B - Sheraton Hotel, Second Floor

Join colleagues and friends in honoring the recipients of AAG Honors and other awards and prizes. The Awards Luncheon will be held on Saturday, April 16 in Grand Ballroom A&B - Sheraton Hotel, Second Floor, from 1:50 p.m. - 3:50 p.m.

The following AAG Honors will be presented:

Susan Cutter, University of South Carolina, *Lifetime Achievement Honors*

Mei-Po Kwan, The Ohio State University, *Distinguished Scholarship Honors*

Diana Liverman, University of Arizona, *Distinguished Scholarship Honors*

Joseph Stoltman, Western Michigan University, *Gilbert Grosvenor Honors for Geographic Education*

Rosanna Whitehead, *Ronald F. Abler Distinguished Service Honors*

Philip Pryde, *Gilbert F. White Distinguished Public Service Honors*

Pion, Ltd., *AAG Publication Award*

In addition to AAG Honors, the Burrill Award, Miller Award, Nystrom Award, Jackson Prize, AAG Enhancing Diversity Award, Specialty Group Awards, and others will be presented.

The following individuals have held 50 years of continuous AAG membership, a measure of support for the Association that will be recognized at the AAG Awards Luncheon:

H G. Barnum	Leland R. Pederson
Stanley D. Brunn	Norbert P. Psuty
William Clark	Elbridge Renning, Jr.
Emmett L. Costello	George A. Schnell
William A. Dando	Richard H. Skaggs
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Peter M. Enggass	Waldo R. Tobler
Arthur Getis	Jack R. Van Lopik
Richard D. Hecock	John A. Wolter
Robert T. Moline	

The cost of the luncheon is \$55, including service and tax. A complete table of ten is also available for \$495. Tickets may be purchased at the AAG Registration Desk.

AAG BUSINESS MEETING

Saturday, April 16, 4:00 p.m. - 5:00 p.m.

Room: Aspen Room - Sheraton Hotel, Second Floor

The AAG's annual Business Meeting will be held in the Aspen Room at the Sheraton Hotel, Second Floor on Saturday, April 16 from 4:00 p.m. - 5:00 p.m. AAG officers will present their annual reports. All are welcome to attend.

Special Session Track: Geography and the Humanities

The 2011 AAG Annual Meeting in Seattle is featuring a special set of sessions on new interdisciplinary research and practice taking place at the intersections of geography and the humanities. The majority of sessions will be held on Friday, April 15 and will engage a variety of topics including literature, history, philosophy, popular culture, performance art, architecture, and photography and their relation to place, space, landscape, cartography, or other aspects of geography.

This special sequence features a presentation by prominent author **Barry Lopez**, winner of the National Book Award for *Arctic Dreams: Imagination and Desire in a Northern Landscape*. His writing appears regularly in *Harper's*, *The Paris Review*, *DoubleTake*, and many other publications. His most recent book is *Home Ground: Language for an American Landscape*, which he co-edited. Lopez will be recognized as the AAG's 2011 Honorary Geographer prior to his lecture at 6:30 p.m. on Friday evening, April 15, in Room 6E of the Washington State Convention Center.

This track also features a special plenary presented by **David Lowenthal**, professor emeritus, department of geography, University College London, whose many articles, books and presentations have influenced humanistic research on landscape tastes and perceptions, the relationship between history and cultural heritage, the history of geographic thought, and the conservation movement. A renowned and prolific author, his work includes the highly regarded *The Past is a Foreign Country* (Cambridge University Press, 1985). Lowenthal's presentation, "From Scientism to Humanism: Geography and the Two Cultures," will be held at 6:30 p.m. on the evening of Wednesday, April 13, 2011, in Room 6E of the Washington State Convention Center. Lowenthal is also a contributor to the new AAG book, *Envisioning Landscapes, Making Worlds: Geography and the Humanities*, and will be participating in a panel discussion with editors and other authors at 2:40 p.m. on Friday (see below).

On Friday afternoon, two panel sessions featuring editors and authors will discuss two new books recently published by Routledge:

Envisioning Landscapes, Making Worlds: Geography and the Humanities (Session 4515, 2:40 p.m.),

GeoHumanities: Art, History, Text at the Edge of Place (Session 4615, 4:40 p.m.).

These two books include more than 50 original chapters by scholars, artists, activists, and others currently working at the fertile intersections of geography and the humanities.

Sessions in this track include: 2722 (Lowenthal), 4722 (Lopez), 2120, 2433, 3567, 3558, 3606, 4480, 4216, 4116, 4416, 4217, 4415, 4115, 4417, 4414, 4215, 4280, 4515 (AAG book panel), and 4615 (AAG book panel).

PLENARY SESSIONS AND SPECIAL EVENTS

Special Session Track: AAG Symposium on Space-Time Integration in Geography and GIScience.

A special Symposium focused on the research status, recent advances and research needs of space-time integration, modeling and analysis in geography and GIScience has been organized within the AAG Annual Meeting. Space-time analysis is a rapidly growing research frontier in geography, GIS, and GIScience. Advances in integrated GPS/GIS technologies, the availability of large datasets (over time and space), and increased capacity to manage, integrate, model and visualize complex data in (near) real time, offer the GIS and geography communities extraordinary opportunities to begin to integrate sophisticated space-time analysis and models in the study of complex environmental and social systems, from climate change to infectious disease transmission.

Nearly 60 sessions are running on four concurrent tracks from Wednesday-Friday of the conference. Geographers, GIScientists, modelers, computer programmers, GPS/GIS scientists, climate change scientists, epidemiologists, ecologists, planners, transportation experts, and others with active research expertise in integrating space-time in GIS and geography will participate.

A complete listing of Space-Time Symposium sessions, papers and speakers is available at <http://www.aag.org/giscience/research/sessions>.

The Symposium will open with a "Space-Time Integration in Geography and GIScience: Opening Plenary," on Wednesday morning, April 13, at 8:00 a.m. (Grand Ballroom A - Sheraton Hotel, Second Floor). Organized and chaired by AAG Executive Director, Douglas Richardson, this plenary will include presentations on current research trends by prominent theorists and pioneers in space-time GIScience and technology research, including Michael Goodchild, Mei-Po Kwan, Peter Bol, Tomoki Nakaya, and Chai Yanwei. Concurrent sessions are organized into the following four tracks: *Diverse Perspectives on Advancing Theory, Modeling, and Methods*; *Developments in Key Topical Areas*; *A Focus on the Environment*; and *Historical GIS and Gazetteers*. A concluding Space-Time Integration in Geography and GIScience Discussion: Trends and Directions, will be held on Friday, April 15 at 11:45 a.m. (Willow B - Sheraton Hotel, Second Floor). Richardson, Goodchild, Kwan, Bol, Nakaya, and Chai will re-assemble for a panel to discuss future trends and directions for research on space-time integration.

Symposium sessions (by track) include:

Space-Time Integration in GIScience: Diverse Perspectives on Advancing Theory, Modeling, and Methods
2277, 2286, 2477, 2486, 2577, 2677, 3178, 3186, 3278, 3286, 3478, 3486, 3586, 3686, 4186, 4286, 4476, 4486, 4586, 4686

Space-Time Integration in GIScience: Developments in Key Topical Areas
2276, 2476, 2576, 2676, 3177, 3277, 3477, 3577, 3677, 4178, 4278, 4478, 4578, 4678

Space-Time Integration in GIScience: A Focus on the Environment
3176, 3276, 3476, 3576, 3676, 4177, 4277, 4477, 4577

Space-Time Integration in GIScience: Historical GIS and Gazetteers (Special AAG/Harvard CGA Track)
2287, 2487, 2587, 3187, 3287, 3587, 3687, 4187, 4287, 4487, 4587, 4687

GIS Poster Session
4221

Space-Time Integration in Geography and GIScience Plenaries
2179, 4387

Symposium Organizers are:

Michael Goodchild – University of California, Santa Barbara
Douglas Richardson – Association of American Geographers
Mei-Po Kwan – Ohio State University
Peter Bol – Harvard University
Luc Anselin – Arizona State University
Kathleen Stewart – University of Iowa
Tomoki Nakaya – Ritsumeikan University, Japan
Dan Griffith – University of Texas at Dallas
Scott Bell – University of Saskatchewan
Martin Dijst – Utrecht University, the Netherlands
Jeremy Mennis – Temple University
Wendy Guan – Harvard University
Elizabeth Wentz – Arizona State University
Michael Gould – Environmental Systems Research Institute
Donggen Wang – Hong Kong Baptist University, China
Harvey Miller – University of Utah
Jean McKendry – Association of American Geographers
May Yuan – University of Oklahoma
Seraphim Alvanides – Northumbria University, UK
Sara Fabrikant – University of Zurich

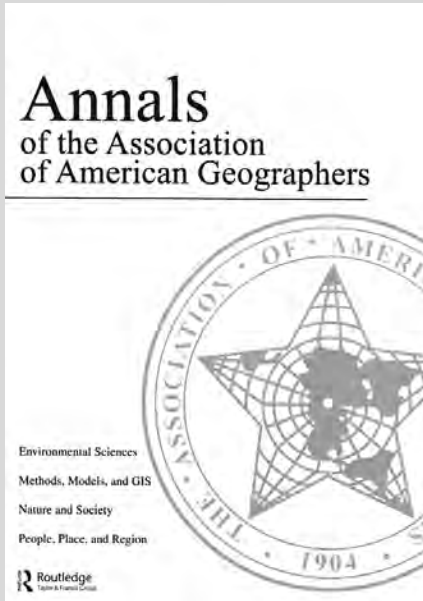
A private reception will be held Wednesday evening, April 13 at 6:30 p.m. (Cirrus Ballroom - Sheraton Hotel, Pike Tower, Thirty Fifth Floor) for all presenters and panelists in the Space-Time Symposium together with other GIScientists. The reception offers an opportunity to interact with new colleagues with similar research interest, to honor others, and celebrate together. During this reception, Duane Marble will be honored for his lifetime contributions to geography and GIScience. The Geographic Information Science and Systems Specialty Group will also present its Aangeenbrug Award. The reception is co-sponsored by AAG, Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group, Esri and University Consortium for Geographic Information Science.

To view full details on this special session track, visit <http://www.aag.org/annualmeeting/tracks/giscience>

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Unmissable AAG sessions:

Meet the Editors of the *Annals* and *The Professional Geographer* (4182)

Friday, April 15, 8:00-9:40am

How to be an Editor for the Association of American Geographers (4282)

Friday, April 15, 10:00-11:40am

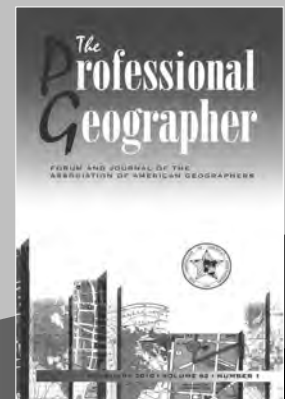
Both panel sessions are taking place in Grand Ballroom D - Sheraton Hotel, Second Floor.

The Professional Geographer

The Professional Geographer, initially a publication of the American Society for Professional Geographers, became a journal of the Association of American Geographers in 1949. It publishes short articles of academic or applied geography, emphasizing empirical studies and methodologies, as well as book reviews. These features may range in content and approach from rigorously analytic to broadly philosophical or prescriptive. The journal provides a forum for new ideas and alternative viewpoints.

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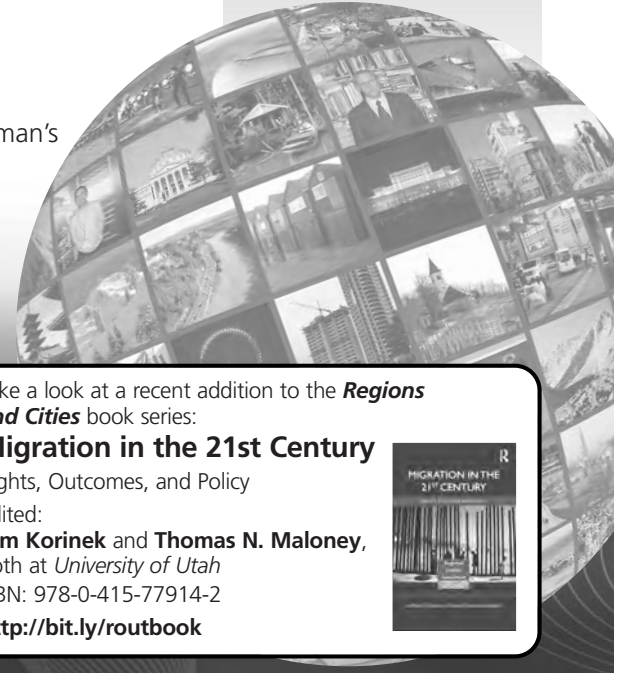
The New Economic Geography, Now Middle-aged
Paul Krugman

From Retro to Avant-garde: A Commentary on Paul Krugman's
 'The New Economic Geography, Now Middle-aged'
Michael Storper

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Philip McCann and Zoltan J. Acs

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Richard Florida, Charlotta Mellander and Kevin Stolarick

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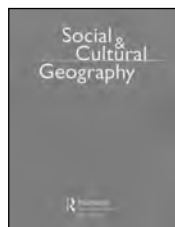
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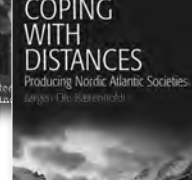
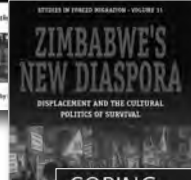
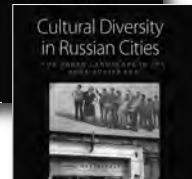
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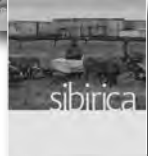
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Volume 1 (2011), 3 issues p.a.

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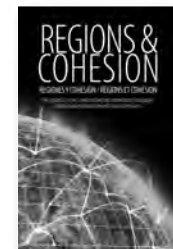
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SPECIALTY GROUP HIGHLIGHTED SESSIONS

AAG Specialty Groups are invited to highlight one special session each year. These sessions are listed below and include session number, time and location.

Africa Specialty Group

3107 The 30th Anniversary of African Geographical Review (Sponsored by Africa Specialty Group)
 Thursday, April 14, 8:00 a.m. - 9:40 a.m.
Room: 607 - Washington State Convention Center, Level 6 (Panel Session)

Applied Geography Specialty Group

2514 James Anderson Distinguished Lecture in Applied Geography (Sponsored by the Applied Geography Specialty Group)
 Wednesday, April 13, 2:40 p.m. - 4:20 p.m.
Room: 614 - Washington State Convention Center, Level 6 (Paper Session)

Animal Geography Specialty Group

4236 Animal Geographies: Emerging Perspectives (Sponsored by Animal Geography Specialty Group and the Qualitative Research Specialty Group)
 Friday, April 15, 10:00 a.m. - 11:40 a.m.
Room: 201 - Washington State Convention Center, Level 2 (Panel Session)

Biogeography Specialty Group

5326 PiPG Classics Revisited: Climate Change and Its Consequences (Sponsored by Biogeography Specialty Group, Climate Specialty Group, and the Geomorphology Specialty Group)
 Saturday, April 16, 12:00 p.m. - 1:40 p.m.
Room: 303 - Washington State Convention Center, Level 3 (Panel Session)

Climate Specialty Group

2571 Climate Specialty Group Plenary Speaker Nathan Mantua (Sponsored by Climate Specialty Group)
 Wednesday, April 13, 2:40 p.m. - 4:20 p.m.
Room: Metropolitan Ballroom - Sheraton Hotel, Third Floor (Paper Session)

Coastal and Marine Specialty Group

2445 Tribute to Robin Davidson-Arnott I: Aeolian Transport (Sponsored by Coastal and Marine Specialty Group and the Geomorphology Specialty Group)
 Wednesday, April 13, 12:40 p.m. - 2:20 p.m.
Room: 214 - Washington State Convention Center, Level 2 (Paper Session)

Cultural and Political Ecology Specialty Group

4682 Underground Political Ecologies (Sponsored by Cultural and Political Ecology Specialty Group, Development Geographies Specialty Group)
 Friday, April 15, 4:40 p.m. - 6:20 p.m.
Room: Grand Ballroom D - Sheraton Hotel, Second Floor (Panel Session)

Cyberinfrastructure Specialty Group

2409 Spatial Cloud Computing (SCC): How could geographers use and help to shape cloud computing? (Sponsored by Cyberinfrastructure Specialty Group, Geographic Information Science and Systems Specialty Group, and the Spatial Analysis and Modeling Specialty Group)
 Wednesday, April 13, 12:40 p.m. - 2:20 p.m.
Room: 609 - Washington State Convention Center, Level 6 (Panel Session)

Disability Specialty Group

3615 Author Meets the Critics: Susan Schweik's The Ugly Laws: Disability in Public (Sponsored by Disability Specialty Group, Health and Medical Geography Specialty Group and the Historical Geography Specialty Group)
 Thursday, April 14, 4:40 p.m. - 6:20 p.m.
Room: 615 - Washington State Convention Center, Level 6 (Panel Session)

Economic Geography Specialty Group

3579 Roepke Lecture in Economic Geography (Sponsored by the Economic Geography Specialty Group)
 Thursday, April 14, 2:40 p.m. - 4:20 p.m.
Room: Grand Ballroom A - Sheraton Hotel, Second Floor (Paper Session)

Ethics, Justice, and Human Rights Specialty Group

4581 EJHR Annual Plenary Lecture: An Economic Ethics for the Anthropocene (Sponsored by Ethics, Justice, and Human Rights Specialty Group and the Economic Geography Specialty Group)
 Friday, April 15, 2:40 p.m. - 4:20 p.m.
Room: Grand Ballroom C - Sheraton Hotel, Second Floor (Panel Session)

Geography Education Specialty Group

3440 Active Learning Strategies for Geographic Education 1 (Sponsored by: Geography Education Specialty Group, Geography Faculty Development Alliance (GFDA), Graduate Student Affinity Group)
 Thursday, April 14, 12:40 p.m. - 2:20 p.m.
Room: 205 - Washington State Convention Center, Level 2 (Panel Session)

SPECIALTY GROUP HIGHLIGHTED SESSIONS

Geographic Information Science and Systems Specialty Group

2686 Panel in honor of Dr. Duane Marble (Sponsored by AAG, Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group, Esri and University Consortium for Geographic Information Science)

Wednesday, April 13, 4:40 p.m. - 6:20 p.m.

Room: Willow A - Sheraton Hotel, Second Floor (Panel Session)

Geomorphology Specialty Group

4408 Taylor-Francis/Routledge Distinguished Lecture on Geomorphology and Society (Sponsored by Geomorphology Specialty Group)

Friday, April 15, 12:40 p.m. - 2:20 p.m.

Room: 608 - Washington State Convention Center, Level 6 (Panel Session)

Hazards Specialty Group

4406 2010 Disasters in Review: Reflections on Lessons Learned for Disaster Loss Reduction (Part 1) (Sponsored by Hazards Specialty Group and the Association of American Geographers)

Friday, April 15, 12:40 p.m. - 2:20 p.m.

Room: 606 - Washington State Convention Center, Level 6 (Panel Session)

Historical Geography Specialty Group

2404 2011 Distinguished Historical Geographer Plenary Lecture (Sponsored by Historical Geography Specialty Group)

Wednesday, April 13, 12:40 p.m. - 2:20 p.m.

Room: 604 - Washington State Convention Center, Level 6 (Paper Session)

Human Dimensions of Global Change Specialty Group

3680 PLENARY: Crossing Planetary and Professional Boundaries in Human Dimensions of Global Change Research (Sponsored by: Human Dimensions of Global Change Specialty Group, Cultural and Political Ecology Specialty Group, Hazards Specialty Group)

Thursday, April 14, 4:40 p.m. - 6:20 p.m. (*Reception to Follow*)

Room: Grand Ballroom B - Sheraton Hotel, Second Floor

Indigenous Peoples Specialty Group

3608 Indigenous Peoples Specialty Group Plenary Lecture: Billy Frank, Jr. (Sponsored by Indigenous Peoples Specialty Group)

Thursday, April 14, 4:40 p.m. - 6:20 p.m.

Room: 608 - Washington State Convention Center, Level 6 (Panel Session)

Political Geography Specialty Group

3635 Political Geography Plenary: Wounded Cities (Sponsored by Political Geography Specialty Group)

Thursday, April 14, 4:40 p.m. - 6:20 p.m.

Room: 3B - Washington State Convention Center, Level 3 (Panel Session)

Population Specialty Group

Of sex and death, of cities and censuses: logics and languages of categories, conceptions, and risk (Sponsored by Population Specialty Group)

Thursday, April 14, 2:30 p.m. - 4:30 p.m.

Room: 608 - Washington State Convention Center, Level 6 (Panel Session)

Recreation, Tourism, and Sport Specialty Group

3506 Special Presentation: Is Environmental Change the New Normal? Tourism Sustainability, Stewardship and Competitiveness in the Context of Global Environmental Change (Sponsored by the "Tourism Geographies" journal (Routledge - Taylor & Francis); the Recreation, Tourism and Sport Specialty Group; and the IGU Tourism Commission.)

Thursday, April 14, 2:40 p.m. - 4:20 p.m.

Room: 606 - Washington State Convention Center, Level 6 (Paper Session)

Rural Geography Specialty Group

4130 Rural Prospects in a Globalizing World I (Sponsored by Development Geographies Specialty Group, Economic Geography Specialty Group, Rural Geography Specialty Group)

Friday, April 15, 8:00 a.m. - 9:40 a.m.

Room: 307 - Washington State Convention Center, Level 3 (Paper Session)

Socialist and Critical Geography Specialty Group

2220 James Blaut Memorial Award and Lecture (Sponsored by the Socialist and Critical Geography Specialty Group)

Wednesday, April 13, 10:00 a.m. - 11:40 a.m.

Room: 620 - Washington State Convention Center, Level 6 (Paper Session)

Spatial Analysis and Modeling Specialty Group

2686 Panel in honor of Dr. Duane Marble (Sponsored by AAG, UCGIS, ESRI, Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group)

Wednesday, April 13, 4:40 p.m. - 6:20 p.m.

Room: Willow A - Sheraton Hotel, Second Floor

Transportation Geography Specialty Group

3241 Geographic Dimensions of Airline Network Development (Sponsored by Transportation Geography Specialty Group)

Thursday, April 14, 10:00 a.m. - 11:40 a.m.

Room: 206 - Washington State Convention Center, Level 2

Call for Submissions: Geography with the Oregon State University Press

The Oregon State University Press is known for its outstanding publications on the geography, environment, and Indigenous peoples of the Pacific Northwest. We are pleased to announce an expansion of these lists, in part, through participation in a collaborative initiative to publish scholarly monographs in Indigenous studies. With funding from the Mellon Foundation, OSU Press will publish works in the growing field of Indigenous geographies under First Peoples: New Directions in Indigenous Studies. Authors selected for participation in the initiative will be eligible for small research grants and manuscript development support. Books published in the initiative will be promoted and sold through a unique collaborative marketing program that will enable them to reach the broadest possible audience.

OSU Press is seeking submissions to its Indigenous geographies and histories list, while also continuing its acquiring efforts in the field of geography. We invite proposals for manuscripts that speak to the following fields of inquiry:

- Native American and Indigenous geography and cartography, food and agriculture, perspectives on the cultural, social, and/or physical impacts of climate change, traditional knowledge, and natural resource management
- Native American and Indigenous history, culture, language, and cultural resource management in the Pacific Northwest and Alaska, around the Pacific Rim, and throughout the Pacific Islands
- Native American and Indigenous practice and representation in literature and the arts.

Forthcoming OSU Press works in the First Peoples initiative include *Asserting Native Resilience: Pacific Rim Indigenous Nations Face the Climate Crisis*, edited by Zoltán Grossman and Alan Parker, due out fall 2011. *Ancestral Places*, by Katrina-Ann R. K. Oliveira, is a comprehensive look at Hawai'iian epistemologies, geography, language, and sense of place. Other forthcoming titles include: *Sensuality: The Nature of Hawai'iian Performance Cartography*, by Renee Pualani Louis, and *"Salmon Is Everything": Theatre for Democracy in the Pacific Northwest*, by Theresa May, a play and text about the 2002 fish kill in the Klamath Basin.

For more information about submitting your work, contact:

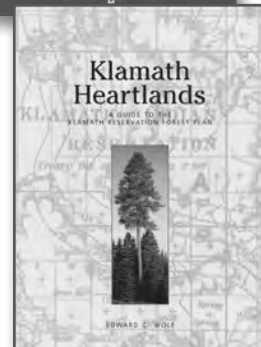
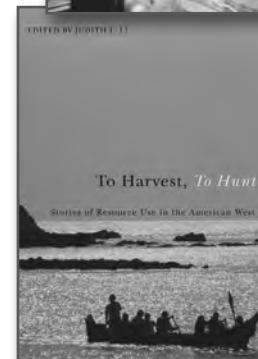
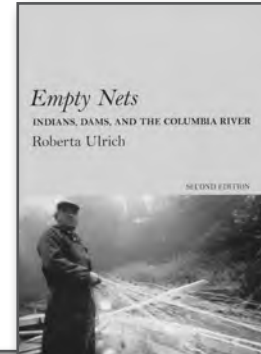
Mary Elizabeth Braun
Acquisitions Editor
Oregon State University Press
mary.braun@oregonstate.edu
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Or visit the First Peoples/OSU Press Booth 110 in the AAG exhibits hall.

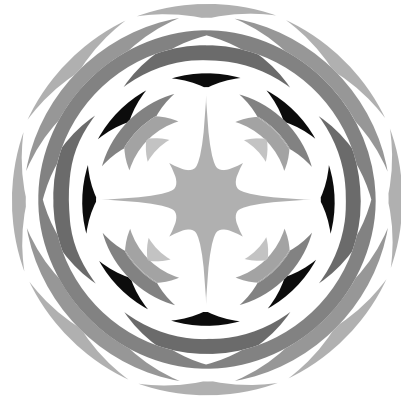
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The Copyright Thing Doesn't Work Here

Adinkra and Kente Cloth and Intellectual Property in Ghana
By Boatema Boateng

Through focusing on the appropriation and protection of adinkra and kente cloth, Boateng examines the broader implications of the use of intellectual property law to preserve folklore and other traditional forms of knowledge.

Paper, 978-0-8166-7003-1, \$24.95
Cloth, 978-0-8166-7002-4, \$75.00
UNIVERSITY OF MINNESOTA PRESS



A Return to Servitude

Maya Migration and the Tourist Trade in Cancún
By M. Bianet Castellanos

Tourism and the social stratification that results from migration have created conflict among the Maya. At the same time, this work asserts, it is through engagement with modernity and its resources that they are able to maintain their sense of indigeneity and community.

Paper, 978-0-8166-5615-8, \$25.00
Cloth, 978-0-8166-5614-1, \$75.00
UNIVERSITY OF MINNESOTA PRESS



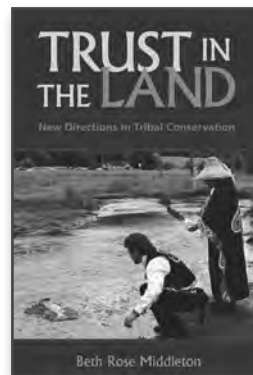
Bitter Water

Diné Oral Histories of the Navajo-Hopi Land Dispute

Edited and translated by Malcolm D. Benally

Foreword by Jennifer Nez Denetdale
Bitter Water presents the narratives of four Diné women who have resisted removal from Hopi Partitioned Lands. Based on 25 hours of filmed personal testimony, the book features candid discussions of the women's efforts to carry on a traditional way of life in a contemporary and contentious world.

Paper, 978-0-8165-2898-1, \$19.95
UNIVERSITY OF ARIZONA PRESS

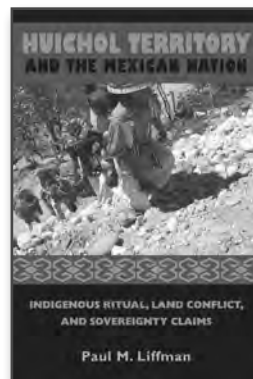


Trust in the Land

New Directions in Tribal Conservation
By Beth Rose Middleton

This book sets in motion a new wave of ideas concerning land conservation, examining Native land conservancies, providing advice on land trusts, collaborations, and conservation groups. Case studies show how private conservation partnerships allow tribes to reacquire lost land and ensure the health and sustainability of vital natural resources.

Paper, 978-0-8165-2928-5, \$35.00
UNIVERSITY OF ARIZONA PRESS



Huichol Territory and the Mexican Nation

Indigenous Ritual, Land Conflict, and Sovereignty Claims

By Paul M. Liffman

Based on collaboration with land-right organizations, interviews, and participant observation in meetings and ceremonies, Liffman analyzes the meaning of Huichol territory and raises provocative questions about what "place" means for Native people worldwide.

Cloth, 978-0-8165-2930-8, \$55.00
UNIVERSITY OF ARIZONA PRESS



Federal Fathers and Mothers

A Social History of the United States Indian Service, 1869-1933

By Cathleen D. Cahill

Cahill offers the first in-depth social history of the agency, now known as the Bureau of Indian Affairs, during the height of its assimilation efforts in the late nineteenth and early twentieth centuries. Cahill examines how assimilation practices were developed and enacted.

Cloth, 978-0-8078-3472-5, \$45.00
UNIVERSITY OF NORTH CAROLINA PRESS

ALSO OF INTEREST

To Harvest, To Hunt

Stories of Resource use in the American West

Edited by Judith L. Li

OREGON STATE UNIVERSITY PRESS

Empty Nets

Indians, Dams, and the Columbia River

Roberta Ulrich

OREGON STATE UNIVERSITY PRESS

WORLD GEOGRAPHY BOWL

Wednesday April 13, 7:30 p.m.

The World Geography Bowl Committee would like to thank the AAG for sponsoring the 2011 national competition through its contributions to the student travel fund, which assists regional divisions in sending student team members to compete at the AAG Annual Meeting. The Committee would also like to thank National Geographic, Oxford University Press and Rand McNally for their generous donations of prizes and awards.

Student teams from the AAG's regional divisions will compete in a round robin tournament starting at 7:30 p.m. in Grand Ballroom A, B, C and D in the Sheraton Hotel, Second Floor. The Championship Round will begin at approximately 10:00 p.m.

Directors

Laurence W. Carstensen Jr., Virginia Tech
Jim Ketchum, Association of American Geographers

Moderators

Harry Trendell, Kennesaw State University
Dawn Drake, University of Tennessee
Rob Edsall, University of Minnesota
Tom Bell, University of Tennessee and Western Kentucky University
Wes Reisser, George Washington University

Judges

Richard Deal, Edinboro University
Peggy Gripshover, Western Kentucky University
Andrew Shears, Kent State University
Neal Lineback, Appalachian State University
Patrick May, Plymouth State University

Scorekeepers

David Roache, University of South Florida
Peggy Jackson, University of Tennessee
Ryan Spencer, Plymouth State University
Lee Campbell, Western Kentucky University
Mitchell Gaines, Western Kentucky University
Jim Young, Appalachian State University

Final Round Judges

Kenneth Foote, University of Colorado at Boulder
Dawn Drake, University of Tennessee

Final Round Moderator

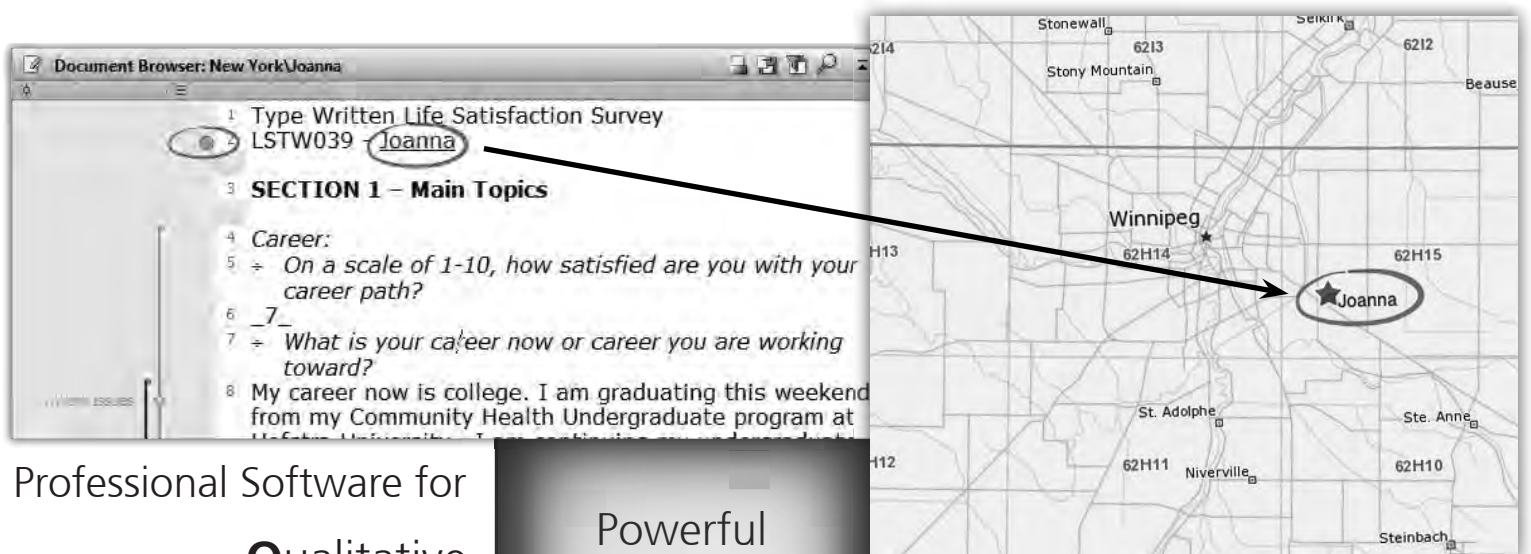
Laurence W. Carstensen Jr., Virginia Tech

Geo-Referencing: **MAXQDA** Meets Google Earth™*

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JOBS IN GEOGRAPHY (JIG)

Jobs In Geography (JIG) Center

The Jobs in Geography (JIG) Center will be located in the AAG Exhibit Hall on Level 6 of the Washington State Convention Center. The JIG Center will feature numerous job postings in all fields of geography for students and job seekers and a large exhibit of available jobs with opportunities to meet with employers. Job seekers will be able to talk with successful geographers and learn about career paths, professions and their experiences.

The Jobs in Geography Center will be open:

Wednesday, April 13, 9:30 a.m. - 4:30 p.m.

Thursday, April 14, 9:30 a.m. - 4:30 p.m.

Friday, April 15, 9:30 a.m. - 4:30 p.m.

AAG Diversity Ambassadors

Volunteers share their experiences and give advice about college life, graduate school, job searches, networking, navigating the annual meeting, and more with graduate or undergraduate students. Faculty or employers who are looking to implement activities to achieve greater diversity in their programs and workforces, or who wish to converse about ideas and experiences are also welcomed. This informal venue seeks to provide an open forum to share success stories, engage in conversations regarding recruiting and retention strategies, understanding student and faculty mentoring needs, improving departmental climate, and other insights from the unique perspectives of the ambassadors. Volunteers will be available on Wednesday, April 13, from 9:30 a.m. to 4:30 p.m. in the Jobs in Geography (JIG) area.

Co-sponsored by the Association of American Geographers' ALIGNED Project and the AAG Enhancing Diversity Committee.

AAG Career Mentors

Whether you're looking for your first job, considering graduate school, or changing careers, the advice of a mentor can help prepare you for success in today's competitive job market. Researchers from the AAG's EDGE Project (Enhancing Departments and Graduate Education in Geography) have assembled a team of career mentors for one-on-one and small-group consultation during this year's annual meeting. These experienced faculty members, representing a variety of departments, share a background and interest in professional development and career advising for geographers. Topics for discussion could include creating resumes and cover letters that will grab an employer's attention, finding jobs where you can put your geography skills and training to work, developing your personal and professional networks, and long-term career planning. You can also get information about the AAG's EDGE project and the numerous career-related sessions that will be held during this year's Annual Meeting. Mentors will be available on Wednesday, April 13, from 11:00 a.m. until 1:00 p.m. in the Jobs in Geography (JIG) area.

GISCI Certification: Did you know you can earn GISP credits by participating in the AAG Annual Meeting? Attending provides several ways to earn necessary points for the "Contributions to the Profession" and "Education" components of becoming a GISP. For more information, stop by the GIS Certification Institute (GISCI) booth (#517) in Exhibit Hall 6ABC of the Washington State Convention Center or visit <http://www.gisci.org/>.

JOBS IN GEOGRAPHY (JIG)

Career and Professional Development Sessions at the AAG Annual Meeting

There are also many special sessions at the AAG Annual Meeting on careers in geography, professional development, and employment opportunities. These sessions are listed below and include session number, time and location.

TUESDAY, APRIL 12

1518 Enhancing the Student Learning Experience through Learning and Teaching Research (Sponsored by International Network for Learning & Teaching Geography in Higher Education [INLT] and Geography Education Specialty Group)

Tuesday, April 12, 2:40 p.m. - 4:20 p.m.
Room: 618 - Washington State Convention Center, Level 6 (Paper Session)

1603 International Research on Spatial Thinking: Implications for Education and Professional Development (Sponsored by International Network for Learning & Teaching Geography in Higher Education [INLT])

Tuesday, April 12, 4:40 p.m. - 6:20 p.m.
Room: 603 - Washington State Convention Center, Level 6 (Panel Session)

1641 Educating a Workforce Literate in Cyberinfrastructure (Sponsored by Cyberinfrastructure Specialty Group and Geography Education Specialty Group)

Tuesday, April 12, 4:40 p.m. - 6:20 p.m.
Room: 206 - Washington State Convention Center, Level 2 (Paper Session)

WEDNESDAY, APRIL 13

2120 The Making of a Geographer: Self-reflections on Becoming (Sponsored by Enhancing Departments and Graduate Education project [EDGE] and Cultural Geography Specialty Group)

Wednesday, April 13, 8:00 a.m. - 9:40 a.m.
Room: 620 - Washington State Convention Center, Level 6 (Panel Session)

2414 Value Proposition to Geography Departments of the Private/Public Affinity Group (Sponsored by Private/Public Affinity Group, Enhancing Departments and Graduate Education project [EDGE], and Applied Geography Specialty Group)

Wednesday, April 13, 12:40 p.m. - 2:20 p.m.
Room: 614 - Washington State Convention Center, Level 6 (Panel Session)

THURSDAY, APRIL 14

3165 Career Development I: How to Publish Articles in Peer-Reviewed Journals? (Sponsored by China Specialty Group)

Thursday, April 14, 8:00 a.m. - 9:40 a.m.
Room: Greenwood - Sheraton Hotel, Union Tower, Third Floor (Panel Session)

3203 Researching and Improving Geography Graduate Education for STEM Careers (Sponsored by Enhancing Departments and Graduate Education project [EDGE])

Thursday, April 14, 10:00 a.m. - 11:40 a.m.
Room: 603 - Washington State Convention Center, Level 6 (Panel Session)

3256 Beyond the Classroom: Enriching the Undergraduate Experience through Fieldwork, Internships, Research, and Service-Learning

Thursday, April 14, 10:00 a.m. - 11:40 a.m.
Room: Seneca - Sheraton Hotel, Union Tower, Fourth Floor (Interactive Short Paper Session)

3265 Career Development II: How to find an Academic Job? (Sponsored by China Specialty Group)

Thursday, April 14, 10:00 a.m. - 11:40 a.m.
Room: Greenwood - Sheraton Hotel, Union Tower, Third Floor (Panel Session)

3227, 3427, 3527, 3627 Geography at Minority Serving Institutions Si se puede! Recruiting and Retaining Hispanic/Latino Students in Geography at Hispanic Serving Institutions; The Status of Geospatial Technology at Historically Black Colleges and Universities; Geography, GIS, and Environmental Sciences at Tribal Colleges, AANAPISI, and Indigenous University Partnerships; and Intro Geography: Undergraduate Coursework in Community Colleges and Beyond. (Sponsored by the AAG Aligned Project)

Thursday, April 14, 10:00 a.m. - 6:20 p.m.
Room: 304 - Washington State Convention Center, Level 3 (Panel Session Series)

3503 Beyond the Ivory Tower (A): Preparing Geographers for Private Sector Careers (Sponsored by Enhancing Departments and Graduate Education project [EDGE] and Private/Public Affinity Group)

Thursday, April 14, 2:40 p.m. - 4:20 p.m.
Room: 603 - Washington State Convention Center, Level 6 (Panel Session)

3603 Beyond the Ivory Tower (B): Preparing Geographers for Public Sector Careers (Sponsored by Enhancing Departments and Graduate Education project [EDGE] and Private/Public Affinity Group)

Thursday, April 14, 4:40 p.m. - 6:20 p.m.
Room: 603 - Washington State Convention Center, Level 6 (Panel Session)

SATURDAY, APRIL 16

5167 Professional Development in Geographic Education

Saturday, April 16, 8:00 a.m. - 9:40 a.m.
Room: Issaquah B - Sheraton Hotel, Union Tower, Third Floor (Paper Session)

SPECIAL EVENTS AND MEETINGS SUMMARY

(See pages 36-37 for a listing of Specialty and Affinity Group Business Meetings)

AAG Awards Luncheon

Saturday, April 16, 1:50 p.m. - 3:50 p.m.
Grand Ballroom A&B - Sheraton Hotel, Second Floor

AAG Business Meeting

Saturday, April 16, 4:00 p.m. - 5:00 p.m.
Aspen Room - Sheraton Hotel, Second Floor

AAG Committee on Committees Meeting

Sunday, April 10, 10:00 a.m. - 12:00 p.m.
Greenwood - Sheraton Hotel, Union Tower, Third Floor

AAG Council Meeting

Sunday, April 10, 1:00 p.m. - 7:00 p.m.
Monday, April 11, 8:00 a.m. - 6:00 p.m.
Tuesday, April 12, 8:00 a.m. - 12:30 p.m.
Alki Boardroom - Sheraton Hotel, Pike Tower, Fourth Floor

AAG Department Chairs Luncheon

Wednesday, April 13, 11:50 a.m. - 2:00 p.m.
Cirrus Ballroom - Sheraton Hotel, Pike Tower, Thirty Fifth Floor

AAG Executive Committee Meeting

Sunday, April 10, 12:00 p.m. - 1:00 p.m.
Alki Boardroom - Sheraton Hotel, Pike Tower, Fourth Floor

AAG International Reception in the Exhibit Hall

Thursday, April 14, 8:00 p.m. - 9:30 p.m.
AAG Exhibit Hall: 6ABC - Washington State Convention Center, Level 6

AAG Jobs in Geography (JIG) Center

Wednesday, April 13, 9:30 a.m. - 4:30 p.m.
Thursday, April 14, 9:30 a.m. - 4:30 p.m.
Friday, April 15, 9:30 a.m. - 4:30 p.m.
AAG Exhibit Hall: 6ABC - Washington State Convention Center, Level 6

AAG Opening Presidential Plenary

Tuesday, April 12, 6:30 p.m. - 8:00 p.m.
6E - Washington State Convention Center, Level 6

AAG Opening Reception in the Exhibit Hall

Tuesday, April 12, 8:00 p.m. - 9:30 p.m.
AAG Exhibit Hall: 6ABC - Washington State Convention Center, Level 6

AAG Past President's Address by Carol Harden

Thursday, April 14, 6:30 p.m. - 7:45 p.m.
6E - Washington State Convention Center, Level 6

AAG Regional Division Chairs Meeting

Thursday, April 14, 11:40 a.m. - 12:50 p.m.
President's Suite 3315 - Sheraton Hotel

AAG Specialty and Affinity Group Chairs Meeting

Wednesday, April 13, 11:50 a.m. - 12:45 p.m.
Grand Ballroom A - Sheraton Hotel, Second Floor

Annals Editorial Board Meeting

Tuesday, April 12, 2:00 p.m. - 3:00 p.m.
Aspen Room - Sheraton, Second Floor

CaGIS Board Meeting

Tuesday, April 12, 9:00 a.m. - 5:00 p.m.
602 - Washington State Convention Center, Level 6

CGGE Workshop

Wednesday, April 13, 9:00 a.m. - 12:00 p.m.
Cedar Room - Sheraton Hotel, Second Floor

Community Economics Collective Workshop

Monday, April 11, 1:00 p.m. - 6:00 p.m.
Willow A - Sheraton Hotel, Second Floor
Tuesday, April 12, 9:00 a.m. - 12:00 p.m.
Richmond - Sheraton Hotel, Pike Tower, Fourth Floor

CPGIS Business Meeting

Thursday, April 14, 6:30 p.m. - 7:30 p.m.
Aspen Room - Sheraton Hotel, Second Floor

Cultural and Political Ecology Specialty Group 2011 Plenary Lecture by Anthony Bebbington Reception

Friday, April 15, 6:20 p.m. - 8:00 p.m.
Grand Ballroom D - Sheraton Hotel, Second Floor

EDGE Project Meeting

Friday, April 15, 8:30 a.m. - 10:00 a.m.
Richmond - Sheraton Hotel, Pike Tower, Fourth Floor

Gamma Theta Upsilon Board Meeting

Friday, April 15, 8:00 a.m. - 12:00 p.m.
Alki/Dashpoint - Sheraton Hotel, Pike Tower, Fourth Floor

Geographical Analysis Editorial Board Meeting

Thursday, April 14, 12:00 p.m. - 1:00 p.m.
Alki/Dashpoint - Sheraton Hotel, Pike Tower, Fourth Floor

Geography and the Humanities: From Scientism to Humanism: Geography and the Two Cultures - David Lowenthal, Plenary Session

Wednesday, April 13, 6:30 p.m. - 7:30 p.m.
6E - Washington State Convention Center, Level 6

Geography in the Americas: Roundtable of Geography Organizations of the Region on Addressing Key Challenges in Society

Friday, April 15, 4:40 p.m. - 6:20 p.m.
Alki/Dashpoint - Sheraton Hotel, Pike Tower, Fourth Floor

GPC Jan Monk Lecture Reception

Friday, April 15, 11:15 a.m. - 12:30 p.m.
Metropolitan Ballroom B - Sheraton Hotel, Third Floor

SPECIAL EVENTS AND MEETINGS SUMMARY

(See pages 36-37 for a listing of Specialty and Affinity Group Business Meetings)

HDGC Plenary Lecture: Crossing Planetary and Professional Boundaries in Human Dimensions of Global Change Research

Thursday, April 14, 5:30 p.m. - 7:30 p.m.
Grand Ballroom B - Sheraton Hotel, Second Floor

Honorary Geographer, Geography and the Humanities - Barry Lopez, Plenary Session

Friday, April 15, 6:30 p.m. - 7:15 p.m.
6E - Washington State Convention Center, Level 6

Korean-American Association for Geospatial and Environmental Sciences Annual Meeting

Thursday, April 14, 6:00 p.m. - 8:00 p.m.
Wallingford - Sheraton Hotel, Union Tower, Third Floor

Lunchtime Plenary Address by Jack Dangermond, President of Esri

Thursday, April 14, 11:40 a.m. - 12:30 p.m.
Grand Ballroom C - Sheraton Hotel, Second Floor

Minnesota Reception

Wednesday, April 13, 8:30 p.m. - 11:30 p.m.
Diamond - Sheraton, First Floor

National Council for Geographic Education Administrative Committee Meeting

Friday, April 15, 12:00 p.m. - 7:00 p.m.
Saturday, April 16, 8:00 a.m. - 12:00 p.m.
Richmond - Sheraton Hotel, Pike Tower, Fourth Floor

Nebraska Night

Thursday, April 14, 8:00 p.m. - 10:00 p.m.
Metropolitan B - Sheraton Hotel, Third Floor

NSF SBE 2020 Initiative: Next Generation Research Challenges at NSF - Myron Gutmann, Plenary Session

Thursday, April 14, 11:50 a.m. - 12:30 p.m.
Grand Ballroom B - Sheraton Hotel, Second Floor

Ohio State University Geography Reception

Thursday, April 14, 8:00 p.m. - 10:00 p.m.
Cirrus Ballroom - Sheraton Hotel, Pike Tower, Thirty Fifth Floor

PG Editorial Board Meeting

Thursday, April 14, 10:00 a.m. - 11:00 a.m.
Richmond - Sheraton Hotel, Pike Tower, Fourth Floor

The Platypus Reception: Oregon State Beavers and University of Oregon Ducks

Wednesday, April 13, 8:00 p.m. - 10:00 p.m.
Aspen Room - Sheraton Hotel, Second Floor

The Role of Geography in Census 2010 and the Census Bureau - Timothy Trainor, Plenary Session

Wednesday, April 13, 11:50 a.m. - 12:30 p.m.
608 - Washington State Convention Center, Level 6

Space-Time Integration in Geography and GIScience: Opening Plenary

Wednesday, April 13, 8:00 a.m. - 9:40 a.m.
Grand Ballroom A - Sheraton Hotel, Second Floor

Space-Time Integration in Geography and GIScience Discussion: Trends and Directions

Friday, April 15, 11:45 a.m. - 12:40 p.m.
Willow B - Sheraton Hotel, Second Floor

Spatial Analysis and Modeling Plenary Lecture and Geographical Analysis Reception

Friday, April 15, 4:20 p.m. - 7:30 p.m.
Metropolitan A - Sheraton Hotel, Third Floor

SUNY Buffalo Reception

Thursday, April 14, 8:00 p.m. - 12:00 a.m.
Grand Ballroom A - Sheraton Hotel, Second Floor

Texas State Geography Annual Reception

Thursday, April 14, 8:00 p.m. - 11:00 p.m.
Grand Ballroom D - Sheraton Hotel, Second Floor

Towards a Critical Poverty Studies Reception

Wednesday, April 13, 6:20 p.m. - 8:20 p.m.
Metropolitan B - Sheraton Hotel, Third Floor

U.S. National Committee to the International Cartographic Association

Thursday, April 14, 6:30 p.m. - 7:30 p.m.
Richmond - Sheraton Hotel, Pike Tower, Fourth Floor

USGS Reception

Wednesday, April 13, 8:00 p.m. - 11:00 p.m.
Garage Billiards, 1130 Broadway Avenue, Seattle

University of Georgia Reception

Wednesday, April 13, 8:30 p.m. - 11:30 p.m.
Ravenna - Sheraton Hotel, Union Tower, Third Floor

University of Maryland Alumni Reception

Thursday, April 14, 7:00 p.m. - 9:00 p.m.
Grand Ballroom C - Sheraton Hotel, Second Floor

University of Washington Reception

Friday, April 15, 4:30 p.m. - 6:30 p.m.
Grand Ballroom A - Sheraton Hotel, Second Floor

West Virginia University Geography Alumni Reunion

Thursday, April 14, 5:00 p.m. - 7:00 p.m.
Pike Pub & Brewery, 1415 1st Street, Seattle
Phone: 206-622-6044

World Geography Bowl

Wednesday, April 13, 7:30 p.m. - 10:30 p.m.
Grand Ballroom A, B, C and D, and
Willow A&B - Sheraton Hotel, Second Floor

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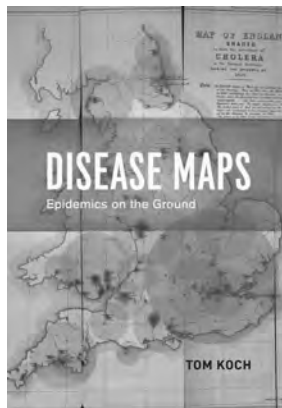
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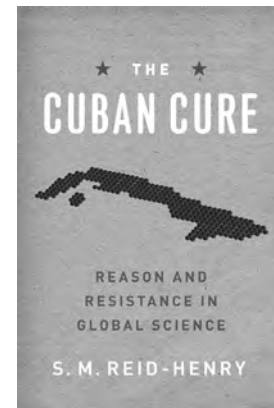
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SPECIALTY AND AFFINITY GROUP BUSINESS MEETINGS

Africa Specialty Group Business Meeting

Wednesday, April 13, 7:30 p.m. - 8:30 p.m.
303 - Washington State Convention Center; Level 3

Animal Geography Specialty Group Business Meeting

Friday, April 15, 11:50 a.m. - 12:30 p.m.
201 - Washington State Convention Center; Level 2

Applied Geography Specialty Group Business Meeting

Wednesday, April 13, 6:30 p.m. - 7:30 p.m.
614 - Washington State Convention Center; Level 6

Asian Geography Specialty Group Business Meeting

Wednesday, April 13, 6:30 p.m. - 7:30 p.m.
620 - Washington State Convention Center; Level 6

Bible Geography Specialty Group Business Meeting

Friday, April 15, 11:50 a.m. - 12:30 p.m.
304 - Washington State Convention Center; Level 3

Biogeography Specialty Group Business Meeting

Friday, April 15, 7:00 p.m. - 8:00 p.m.
303 - Washington State Convention Center; Level 3

Business Geography Specialty Group Business Meeting

Friday, April 15, 11:50 a.m. - 12:30 p.m.
310 - Washington State Convention Center; Level 3

Canadian Studies Specialty Group Business Meeting

Thursday, April 14, 11:50 a.m. - 12:30 p.m.
2A - Washington State Convention Center; Level 2

Cartography Specialty Group Business Meeting

Thursday, April 14, 11:50 a.m. - 12:30 p.m.
Ballard - Sheraton Hotel, Pike Tower, Third Floor

China Specialty Group Business Meeting

Thursday, April 14, 11:50 a.m. - 12:30 p.m.
Metropolitan Ball B - Sheraton Hotel, Third Floor

Climate Specialty Group Business Meeting

Wednesday, April 13, 6:30 p.m. - 7:30 p.m.
Metropolitan Ball A - Sheraton Hotel, Third Floor

Coastal and Marine Specialty Group Business Meeting

Friday, April 15, 7:00 p.m. - 8:00 p.m.
310 - Washington State Convention Center; Level 3

Communication Geography Specialty Group Business Meeting

Friday, April 15, 11:50 a.m. - 12:30 p.m.
204 - Washington State Convention Center; Level 2

Community College Affinity Group Business Meeting

Friday, April 15, 7:00 p.m. - 8:00 p.m.
614 - Washington State Convention Center; Level 6

Cryosphere Specialty Group Business Meeting

Thursday, April 14, 8:00 p.m. - 9:00 p.m.
306 - Washington State Convention Center; Level 3

Cultural and Political Ecology Specialty Group Business Meeting

Thursday, April 14, 8:00 p.m. - 9:00 p.m.
201 - Washington State Convention Center; Level 2

Cultural Geography Specialty Group Business Meeting

Friday, April 15, 7:00 p.m. - 8:00 p.m.
606 - Washington State Convention Center; Level 6

Cyberinfrastructure Specialty Group Business Meeting

Thursday, April 14, 8:00 p.m. - 9:00 p.m.
308 - Washington State Convention Center; Level 3

Development Geographies Specialty Group Business Meeting

Wednesday, April 13, 6:30 p.m. - 7:30 p.m.
203 - Washington State Convention Center; Level 2

Disability Specialty Group Business Meeting

Thursday, April 14, 11:50 a.m. - 12:30 p.m.
615 - Washington State Convention Center; Level 6

Economic Geography Specialty Group Business Meeting

Thursday, April 14, 8:00 p.m. - 9:00 p.m.
608 - Washington State Convention Center; Level 6

Energy and Environment Specialty Group Business Meeting

Wednesday, April 13, 6:30 p.m. - 7:30 p.m.
2A - Washington State Convention Center; Level 2

Environmental Perception and Behavioral Geography Specialty Group Business Meeting

Friday, April 15, 7:00 p.m. - 8:00 p.m.
615 - Washington State Convention Center; Level 6

Ethics, Justice, and Human Rights Specialty Group Business Meeting

Wednesday, April 13, 7:30 p.m. - 8:30 p.m.
617 - Washington State Convention Center; Level 6

Ethnic Geography Specialty Group Business Meeting

Wednesday, April 13, 7:30 p.m. - 8:30 p.m.
2A - Washington State Convention Center; Level 2

European Specialty Group Business Meeting

Friday, April 15, 11:50 a.m. - 12:30 p.m.
611 - Washington State Convention Center; Level 6

Geographic Information Science and Systems Specialty Group Business Meeting

Thursday, April 14, 8:00 p.m. - 9:00 p.m.
611 - Washington State Convention Center; Level 6

Geographic Perspectives on Women Specialty Group Business Meeting

Wednesday, April 13, 7:30 p.m. - 8:30 p.m.
614 - Washington State Convention Center; Level 6

Geography Education Specialty Group Business Meeting

Wednesday, April 13, 7:30 p.m. - 8:30 p.m.
612 - Washington State Convention Center; Level 6

Geography of Religions and Belief Systems Specialty Group Business Meeting

Friday, April 15, 11:50 a.m. - 12:30 p.m.
University - Sheraton Hotel, Union Tower, Fourth Floor

Geography of Wine Specialty Group Business Meeting

Thursday, April 14, 11:50 a.m. - 12:30 p.m.
Queen Anne - Sheraton Hotel, Union Tower, Third Floor

SPECIALTY AND AFFINITY GROUP BUSINESS MEETINGS

Geomorphology Specialty Group Business Meeting

Wednesday, April 13, 7:30 p.m. - 8:30 p.m.
606 - Washington State Convention Center, Level 6

Graduate Student Affinity Group Business Meeting

Friday, April 15, 11:50 a.m. - 12:30 p.m.
Juniper - Sheraton Hotel, Second Floor

Hazards Specialty Group Business Meeting

Friday, April 15, 11:50 a.m. - 12:30 p.m.
606 - Washington State Convention Center, Level 6

Health and Medical Geography Specialty Group Business Meeting

Thursday, April 14, 11:50 a.m. - 12:30 p.m.
611 - Washington State Convention Center, Level 6

Historical Geography Specialty Group Business Meeting

Wednesday, April 13, 6:30 p.m. - 7:30 p.m.
606 - Washington State Convention Center, Level 6

History of Geography Specialty Group Business Meeting

Thursday, April 14, 11:50 a.m. - 12:30 p.m.
University - Sheraton Hotel, Union Tower, Fourth Floor

Human Dimensions of Global Change Specialty Group Business Meeting

Friday, April 15, 11:50 a.m. - 12:30 p.m.
604 - Washington State Convention Center, Level 6

Indigenous Peoples Specialty Group Business Meeting

Wednesday, April 13, 7:30 p.m. - 8:30 p.m.
3B - Washington State Convention Center, Level 3

Landscape Specialty Group Business Meeting

Thursday, April 14, 8:00 p.m. - 9:00 p.m.
213 - Washington State Convention Center, Level 2

Latin America Specialty Group Business Meeting

Wednesday, April 13, 6:30 p.m. - 7:30 p.m.
604 - Washington State Convention Center, Level 6

Middle East Specialty Group Business Meeting

Friday, April 15, 7:00 p.m. - 8:00 p.m.
308 - Washington State Convention Center, Level 3

Military Geography Specialty Group Business Meeting

Wednesday, April 13, 6:30 p.m. - 7:30 p.m.
617 - Washington State Convention Center, Level 6

Mountain Geography Specialty Group Business Meeting

Wednesday, April 13, 6:30 p.m. - 7:30 p.m.
603 - Washington State Convention Center, Level 6

Paleoenvironmental Change Specialty Group Business Meeting

Thursday, April 14, 8:00 p.m. - 9:00 p.m.
604 - Washington State Convention Center, Level 6

Political Geography Specialty Group Business Meeting

Thursday, April 14, 11:50 a.m. - 12:30 p.m.
3B - Washington State Convention Center, Level 3

Population Specialty Group Business Meeting

Thursday, April 14, 8:00 p.m. - 9:00 p.m.
607 - Washington State Convention Center, Level 6

Private/Public Affinity Group Business Meeting

Thursday, April 14, 8:00 p.m. - 9:00 p.m.
613 - Washington State Convention Center, Level 6

Qualitative Research Specialty Group Business Meeting

Wednesday, April 13, 6:30 p.m. - 7:30 p.m.
303 - Washington State Convention Center, Level 3

Recreation, Tourism, and Sport Specialty Group Business Meeting

Thursday, April 14, 11:50 a.m. - 12:30 p.m.
606 - Washington State Convention Center, Level 6

Regional Development and Planning Specialty Group

Wednesday, April 13, 7:30 p.m. - 8:30 p.m.
620 - Washington State Convention Center, Level 6

Remote Sensing Specialty Group Business Meeting

Wednesday, April 13, 6:30 p.m. - 7:30 p.m.
3B - Washington State Convention Center, Level 3

Retired Geographers Affinity Group Business Meeting

Friday, April 15, 11:50 a.m. - 12:30 p.m.
Columbia - Sheraton Hotel, Union Tower, Fourth Floor

Rural Geography Specialty Group Business Meeting

Wednesday, April 13, 6:30 p.m. - 7:30 p.m.
612 - Washington State Convention Center, Level 6

Russian, Central Eurasian, and East European Specialty Group

Thursday, April 14, 11:50 a.m. - 12:30 p.m.
212 - Washington State Convention Center, Level 2

Sexuality and Space Specialty Group Business Meeting

Thursday, April 14, 11:50 a.m. - 12:30 p.m.
619 - Washington State Convention Center, Level 6

Socialist and Critical Geography Specialty Group Business Meeting

Wednesday, April 13, 7:30 p.m. - 8:30 p.m.
203 - Washington State Convention Center, Level 2

Spatial Analysis and Modeling Specialty Group Business Meeting

Friday, April 15, 7:00 p.m. - 8:00 p.m.
609 - Washington State Convention Center, Level 6

Stand-Alone Geographers Affinity Group Business Meeting

Thursday, April 14, 8:00 p.m. - 9:00 p.m.
614 - Washington State Convention Center, Level 6

Study of the American South Specialty Group Business Meeting

Wednesday, April 13, 7:30 p.m. - 8:30 p.m.
3A - Washington State Convention Center, Level 3

Transportation Geography Specialty Group Business Meeting

Thursday, April 14, 8:00 p.m. - 9:00 p.m.
615 - Washington State Convention Center, Level 6

Urban Geography Specialty Group Business Meeting

Thursday, April 14, 8:00 p.m. - 9:00 p.m.
609 - Washington State Convention Center, Level 6

Water Resources Specialty Group Business Meeting

Thursday, April 14, 8:00 p.m. - 9:00 p.m.
606 - Washington State Convention Center, Level 6

SPECIAL DISPLAYS

Indigenous sales tables info (Christine Castagna)

Native Artists of the Pacific Northwest

Wednesday, April 13 - Friday, April 15

Location: East Lobby - Washington State Convention Center, Level 6 (near AAG Registration Desk)

This year the AAG is honored to host several local, Native artists at the Seattle conference. The acclaimed artists' work features a combination of traditional and contemporary designs and materials, and will be on display and available for purchase adjacent to the registration desk.

Peter Boome (Upper Skagit) works in the Coast Salish style and creates a wide variety of contemporary Native art. His representations often include repeating triangular and crescent shapes which create a kaleidoscopic effect. He offers original paintings and prints as well as his designs on greeting cards, clothing, and sandblasted glass. One of his paintings earned Best in Category at the Eiteljorg Indian Market in 2010.

Denise Emerson (Skokomish/Diné) translates basketry patterns of the Twana (Skokomish) and Diné cultures to the beaded medium to produce exquisite and unique beadwork pieces.

Jerry Laktonen (Alutiiq) was born and raised on Kodiak Island, Alaska, and is one of the premier Alutiiq carvers. He produces masks and paddles in addition to prints. His work is featured in museums and galleries throughout the country, including the Smithsonian, the National Museum of the American Indian, and the Museum of Art & Design in New York.

Israel Shotridge (Tlingit), who was born in Ketchikan, Alaska, is known for his public art and, in particular, for his totem pole carving. He adapts his Tlingit motifs for jewelry, prints, and cards.

Finally, Haida artist Sondra Simone Segundo hand paints traditional Haida designs on contemporary shoes and clothing. She has also written and illustrated a series of cultural children's picture books, which includes "Killer Whale Eyes."

Featured artists' websites:

Peter Boome: <http://www.araquin.com/>

Jerry Laktonen: <http://www.whaledreams.com/>

Israel Shotridge: <http://shotridgestudios.com/>

Sondra Simon Segundo: <http://www.haidashoes.com/>

Landscape Photography Exhibit

Wednesday, April 13 - Friday, April 15

Location: East Lobby - Washington State Convention Center, Level 6 (near AAG Registration Desk)

The Cultural Geography Specialty Group invites all AAG members to participate in the Landscape Photography Exhibit at the 2011 AAG Annual Meeting. The Landscape Photography Exhibit features photographs taken by geographers while traveling and conducting fieldwork. As geographers, we constantly consider and analyze physical and cultural landscapes, and many of us capture unique or interesting features in the landscape on film or digital camera. This photograph display allows geographers to share such images and stories with conference attendees. Photographs will be on display in the East Lobby of the Washington State Convention Center, Level 6, all day on Wednesday, Thursday and Friday of the conference (April 13-15).

2011 AAG Photo Competition – "Geography in Focus"

Wednesday, April 13 - Friday, April 15

Location: East Lobby - Washington State Convention Center, Level 6 (near AAG Registration Desk)

Come see the winners of AAG's "Geography in Focus" photo competition! This competition was created to celebrate geography and geographers at the 2011 AAG Annual Meeting. Nearly 200 photographs were submitted in three categories: *Careers in Geography*, *Diversity and Inclusion within Geography*, and *Unique Landscapes and Places*. A panel of judges assembled by the AAG selected three overall winners. In addition to displaying their photographs, the AAG awarded cash prizes to the winners (\$350 to one overall first place winner, \$100 to one second place winner, and \$50 to one third place winner). The photographs will be on display from Wednesday, April 13 through Friday, April 15 in the East Lobby of the Washington State Convention Center, Level 6 (next to the Landscape Photography Exhibit organized by the Cultural Geography Specialty Group). *Sponsored by the Association of American Geographers ALIGNED Project.*

USGS Exhibits Demonstrations

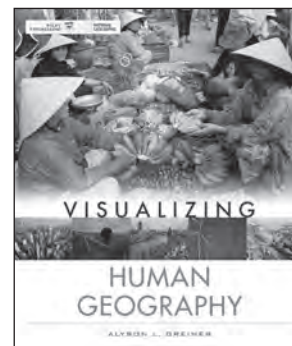
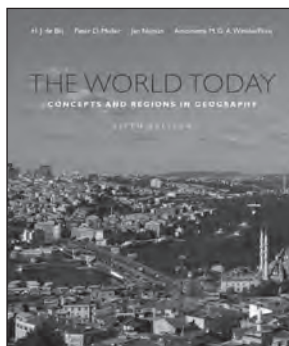
Tuesday, April 12 - Friday, April 15

Location: Booth #507 in the AAG Exhibit Hall (6ABC - Washington Convention Center, Level 6)

From Tuesday, April 12 - Friday, April 15 at USGS booth #507 (during exhibit hall hours) conference attendees can learn more about USGS capabilities in geographic research, applied geography, and geospatial data. USGS geographic applications that address challenging issues for modern society and the natural world will be featured. USGS geographers will be on hand to provide a range of information from innovative uses of data from earth observing satellites to modeling the geography of risk. USGS geographers will also be available to discuss advances in online access to geospatial data, including The National Map, and guide direct, hands-on geospatial and satellite data inquiries. Please visit us at our booth for more information.

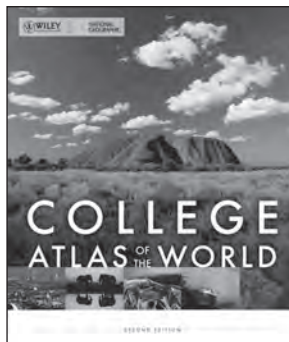
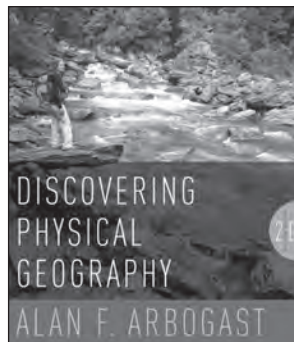
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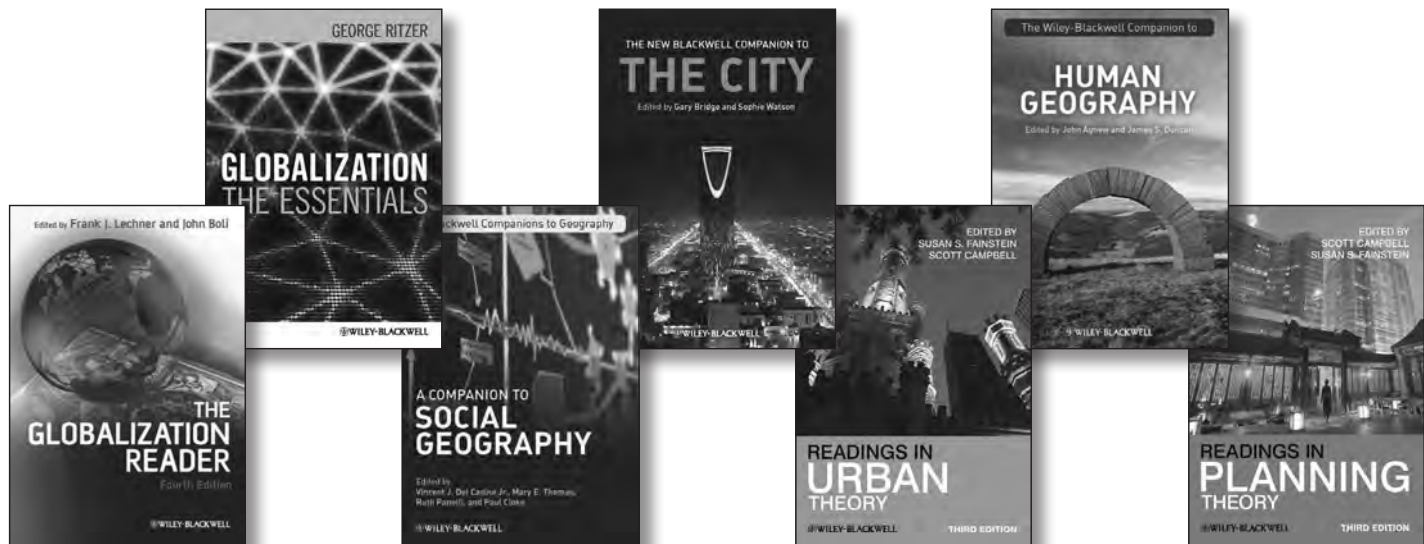
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WORKSHOPS

MONDAY, APRIL 11

1. Law and the GeoWeb: Intellectual Property and Geographic Data in the Internet Era

Monday, April 11, 1:00 p.m. - 5:00 p.m.

Instructors/Organizers: Puneet Kishor, Creative Commons, Barbara Poore, USGS

Workshop Capacity: 50

Cost/person: Free

Room: *Microsoft Research Campus*

Law and the GeoWeb is a workshop on "Intellectual Property and Geographic Data in the Internet Era" sponsored by Creative Commons and the United States Geological Survey (USGS). The workshop will be held on the campus of Microsoft Research. This workshop will focus on intellectual property issues with geographic data, exploring situations when users and creators ranging from individuals to local, state and federal agencies as well as private companies and non-profits create, share and reuse geographic information from different sources over the Internet in their projects. Attendees will also be able to submit longer papers for publication in a special issue of the peer-reviewed, completely free and open access online journal "International Journal of Spatial Data Infrastructure Research" published by the Joint Research Centre of the European Commission. More information on "Law and the GeoWeb (<http://punkish.org/geoweb/index.html>) or search on Twitter for #lawandgeoweb.

TUESDAY, APRIL 12

2. How to Establish and Sustain an Undergraduate Research Program

Tuesday, April 12, 8:00 a.m. - 12:00 p.m.

Instructor: Dale Splinter, University of Wisconsin, Whitewater; Ed Hansen, Hope College

Organizer: Laura Guertin, Penn State Brandywine; Deanna van Dijk, Calvin College

Workshop Capacity: 20

Cost/person: \$10

Room: *Admiral - Sheraton Hotel, Pike Tower, Third Floor*

This workshop is focused on developing a successful research program involving undergraduate participants and on inquiry-based courses and teaching practices that are effective in preparing students to pursue research. The course is designed to serve the needs of early-career faculty and others considering academic careers. The workshop facilitators are all current officers in the Council on Undergraduate Research who have extensive experience in working successfully with undergraduate students in their research enterprises.

16. Web GIS: The Past, Present, and Future

Tuesday, April 12, 9:00 a.m. - 12:00 p.m.

Instructor: Pinde Fu, Esri

Organizer: Angela Lee, Esri

Workshop Capacity: 30

Cost/person: Free

Room: *Capitol Hill - Sheraton Hotel, Pike Tower, Third Floor*

The Web has unlocked the power of GIS, and revealed the immense value and applicability of GIS to e-government, e-business, e-science, and daily life. However, there are many challenges in the Web GIS field - advancing too rapidly to stay up-to-date, too new for many principles to gel, and too diffuse to condense. This workshop is intended to cut through a complex mass of material, provide the audience a systematic overview of Web GIS body of knowledge, including the technology evolution, impacts on GI science, extended applications, design principles, and research frontiers. Topics covered in the workshop include REST Web services, geoportals, mashups, mobile GIS, volunteered geographic information, geocollaboration, geotagging, geoparsing, geotargeting, online virtual reality, and cloud GIS. This workshop will also discuss what lies ahead, making predictions and answering questions about the future of Web GIS.

18. Spatial Cloud Computing - How Geographers Can Use and Help Shape Cloud Computing

Tuesday, April 12, 1:00 p.m. - 4:00 p.m.

Instructor: Krishna Kumar, Microsoft; Chaowei Yang, George Mason University; Abdelmounaam Rezgui, George Mason University; Qunying Huang, George Mason University

Organizer: Chaowei Yang, George Mason University

Workshop Capacity: 25

Cost/person: Free

Room: *Capitol Hill - Sheraton Hotel, Pike Tower, Third Floor*

Cloud computing is becoming the next generation IT solution for saving resources and conducting green computing. Government agencies are investigating cloud computing for their information technology needs in the following years. Pioneering projects are being conducted to investigate how geospatial applications can leverage cloud computing for provide reliability and scalability. For example, Microsoft is utilizing Azure Platform as a Service (PaaS) to support Earth, Environment, and Energy program within its external research. FGDC is conducting the GeoCloud Sandbox initiative with multiple agencies to develop common geospatial Platform as a Service (PaaS) solution. NASA is conducting Infrastructure as a Service (IaaS), spatial cloud computing and Data as a Service (DaaS) to investigate how cloud computing can be utilized for geospatial sciences and how to use geospatial principles to optimize cloud computing for serving a variety of dynamic user requirements. We employ the term of Spatial Cloud Computing (SCC) to capture these relationships and characteristics. This workshop is the first of four sessions on cloud computing to provide hands-on

WORKSHOPS

experience about how geographers could use cloud computing through our experiences in the multi-agency GeoCloud Initiative, NASA Cloud Services, and Microsoft Azure-based GEOSS clearinghouse. Participants will be able to learn:

a.) What is cloud computing? b.) How have geographic problems been solved on cloud platforms? c.) What are the issues, challenges we are facing in migrating to a cloud computing era? d.) It will also serve as an introduction to three other cloud sessions organized in the AAG Annual Conference for deeper understanding and discussion. Support for this workshop is provided by Microsoft and George Mason University CISC.

WEDNESDAY, APRIL 13

3. Mapping American Community Survey (ACS) Data using ArcGIS

Wednesday, April 13, 9:00 a.m. - 12:00 p.m.

Instructor: David Wong, George Mason University

Organizer: Nancy Torrieri, U.S. Census Bureau

Workshop Capacity: 30

Cost/person: \$18

Room: Capitol Hill - Sheraton Hotel, Pike Tower, Third Floor

The 2010 Decennial Census was different from previous censuses because many socioeconomic and housing variables were no longer gathered through the census long form, as the long form was replaced by the American Community Survey (ACS). Using ACS data in geographical research has some challenges. In this workshop, we will briefly discuss the importance of data quality issues when using the ACS data. Particularly, we will show some methods of mapping ACS data incorporating data reliability information. During the workshop, we will distribute and demonstrate a newly developed ArcGIS extension to compile and map ACS data with reliability information. *Attendees are encouraged to bring laptops.*

4. Hands On GIS Mapping with GPS, Laser Range Finder, and GPS Camera

Wednesday, April 13, 9:00 a.m. - 12:00 p.m.

Instructor/Organizer: Ashok Wadwani, Applied Field Data Systems, Inc.

Workshop Capacity: 20

Cost/person: \$21

Room: Admiral - Sheraton Hotel, Pike Tower, Third Floor

The workshop will cover the latest trends and developments in GPS/GIS mapping. Latest products will be shown and participants will be able to go outside (weather permitting) and collect GPS data and import into GIS. Participants are welcome to bring their individual mapping projects to discuss in the classroom.

5. Spatial Pattern Analysis with ArcGIS

Wednesday, April 13, 12:40 p.m. - 2:20 p.m.

Instructor: Lauren Rosenshein, Esri

Organizers: Angela Lee, Esri

Workshop Capacity: 25

Cost/person: Free

Room: Capitol Hill - Sheraton Hotel, Pike Tower, Third Floor

This session will introduce basic concepts of pattern analysis using tools in the Spatial Statistics toolbox. With examples from a range of application areas (such as crime, health, demographics), it will present tools for summarizing characteristics of a spatial distribution (for example, mean center or directional trend), identifying statistically significant spatial clusters (hot and cold spots) or spatial outliers, and assessing overall patterns of clustering or dispersion. This workshop is co-sponsored by the Business Geography Specialty Group.

6. Regression Analysis for Spatial Data with ArcGIS

Wednesday, April 13, 2:40 p.m. - 4:20 p.m.

Instructor: Lauren Rosenshein, Esri

Organizers: Angela Lee, Esri

Workshop Capacity: 25

Cost/person: Free

Room: Capitol Hill - Sheraton Hotel, Pike Tower, Third Floor

Regression analysis is one of the most commonly used statistics in social sciences. Ordinary least squares regression (OLS) and geographically weighted regression (GWR) evaluate relationships among two or more feature attributes. By identifying and measuring relationships, you're in a better position to understand what's going on in a place, predict where something is likely to occur, and investigate why things occur where they do. This presentation will cover basic regression analysis concepts, diagnostics, and workflows as they relate to the analysis of spatial data. Emphasis will be on OLS regression - the precursor to all spatial regression techniques - and GWR. This workshop is co-sponsored by the Business Geography Specialty Group.

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THURSDAY, APRIL 14

7. Soil Water Content Measurement Methods and Field Applications

Thursday, April 14, 8:00 a.m. - 9:40 a.m.

Instructors: Colin Campbell, Washington State University; Doug Cobos, Washington State University; Decagon Devices, Washington State University

Organizers: Lauren Bissey, Decagon Devices, Inc.; Ashley Fickenwirth, Decagon Devices, Inc.

Workshop Capacity: 30

Cost/person: Free

Room: Capitol Hill - Sheraton Hotel, Pike Tower, Third Floor

Decagon Devices, in conjunction with the Biogeography Specialty Group, will give an overview of soil water content measurements, including the theory behind the measurement and appropriate methods for different types of field research. Drs. Campbell and Cobos will give an overview of the main measurement techniques, including gravimetric sampling, dielectric methods including TDR, TDT, and FDR/capacitance, neutron probe, and dual needle heat pulse. Participants in the seminar will gain an understanding of the fundamentals behind each of the methods and in what situation each may apply. The practicum section of the workshop includes sensor calibration and interpreting TDR traces.

8. Measurement Methods for Plants and Canopies

Thursday, April 14, 10:00 a.m. - 11:40 a.m.

Instructors: Colin Campbell, Doug Cobos, Decagon Devices, Washington State University

Organizers: Lauren Bissey, Ashley Fickenwirth, Decagon Devices, Inc.

Workshop Capacity: 30

Cost/person: Free

Room: Capitol Hill - Sheraton Hotel, Pike Tower, Third Floor

Decagon Devices, in conjunction with the Biogeography Specialty Group, will give an overview of light interception measurements at leaf, plant, and canopy scales. Radiation capture in plant canopies is closely tied to biomass production as well as energy partitioning. Light interception can also be used to determine leaf area index. Data collected using these measurement methods can be used in determining a variety of canopy cover values. Drs. Campbell and Cobos will discuss leaf area index, radiation balance, and transmission coefficients. The practicum session of this workshop includes measurements of intercepted PAR and leaf area index.

9. Using Google Earth as a Geographical Exploration System

Thursday, April 14, 12:40 p.m. - 3:40 p.m.

Instructors: Albert Decatur, Clark University

Organizers: Rahul Rakshit, Clark University; Nick Giner, Clark University

Workshop Capacity: 20

Cost/person: \$17

Room: Admiral - Sheraton Hotel, Pike Tower, Third Floor

Participants will learn to easily create, transfer, display, explore, and share geospatial information using Google Earth, Microsoft Virtual Earth, and other free tools. Topics include how to upload GIS and Remote Sensing data onto Google Earth and other free platforms to produce interactive spatial datasets including 3D maps, and how to use these tools as online distribution channels for existing geodata. Attendees will also learn how to use Google Earth as an efficient alternative to fieldwork for map validation. No programming experience is required. *Participants must bring a laptop computer with WiFi connectivity.*

17. Wine Tasting of Washington Wines

Thursday, April 14, 2:40 p.m. - 4:40 p.m.

Instructors: Rob Anderson, Washington State Wine Commission

Organizers: Gregory Jones, Southern Oregon University

Workshop Capacity: 35

Cost/person: \$35

Room: Grand Ballroom C - Sheraton Hotel, Second Floor

The state of Washington is the second largest producer of winegrapes and wine in the United States. The state grows more than 30 different winegrape varieties with Riesling, Chardonnay, and Sauvignon Blanc the top white varieties and Cabernet Sauvignon, Merlot, and Syrah the top red varieties. Grapes are grown in eleven American Viticultural Areas, with most of the production coming from east of the Cascades but with many interesting wines from west of the Cascades. This workshop will provide an overview of Washington's wine industry and a sampling of wines from around the state.

FRIDAY, APRIL 15

11. Writing Proposals for NSF Geography and Spatial Sciences Program

Friday, April 15, 8:00 a.m. - 9:00 a.m.

Instructors: Ezekiel Kalipeni, National Science Foundation

Organizers: Antoinette WinklerPrins, National Science Foundation; Thomas J. Baerwald, National Science Foundation; David McGinnis, National Science Foundation

Workshop Capacity: 30

Cost/person: Free

Room: Capitol Hill - Sheraton Hotel, Pike Tower, Third Floor

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This is a one-hour workshop intended for faculty members and professional geographers (not graduate students) who engage in research in geography and who wish to learn how to prepare proposals for a regular research grant. Program officers from the Geography and Spatial Sciences Program at the National Science Foundation will highlight ways to improve the quality and competitiveness of a proposal. They will also discuss the review process, including intellectual merit and broader impacts, plus additional funding possibilities at NSF. Presentations will be followed by a question and answer opportunity.

12. Writing Doctoral Dissertation Proposals for NSF Geography and Spatial Sciences Program

Friday, April 15, 10:00 a.m. - 11:00 a.m.

Instructors: Antoinette WinklerPrins, National Science Foundation

Organizers: Ezekiel Kalipeni, National Science Foundation; Thomas J. Baerwald, National Science Foundation; David McGinnis, National Science Foundation

Workshop Capacity: 30

Cost/person: Free

Room: Capitol Hill - Sheraton Hotel, Pike Tower, Third Floor

This is a one-hour workshop intended for geography graduate students at the doctoral level who wish to learn how to prepare proposals for a Doctoral Dissertation Research Improvement (DDRI) grant. These grants may be written to request up to \$12,000 and are meant to assist doctoral candidates with their research needs. Program officers from the Geography and Spatial Sciences Program at the National Science Foundation will highlight ways to improve the quality and competitiveness of a proposal. They will also discuss the review process, including intellectual merit and broader impacts, plus additional funding possibilities at NSF. Presentations will be followed by a question and answer opportunity.

13. Writing CAREER Proposals for NSF Geography and Spatial Sciences Program

Friday, April 15, 12:40 p.m. - 1:40 p.m.

Instructors: Thomas J. Baerwald, National Science Foundation

Organizers: Ezekiel Kalipeni, National Science Foundation; Antoinette WinklerPrins, National Science Foundation; David McGinnis, National Science Foundation

Workshop Capacity: 30

Cost/person: Free

Room: Capitol Hill - Sheraton Hotel, Pike Tower, Third Floor

This is a one-hour workshop intended for geography faculty members at the Assistant Professor rank who are in tenure-track positions and who are interested in submitting a proposal for a CAREER grant. Program officers from the Geography and Spatial Sciences Program at the National Science Foundation will highlight ways to improve the quality and competitiveness of a proposal. They will also discuss the review process, including intellectual merit and broader impacts, plus additional

funding possibilities at NSF. Presentations will be followed by a question and answer opportunity.

14. Writing Proposals for NSF Geography and Spatial Sciences Program (Repeat)

Friday, April 15, 2:40 p.m. - 3:40 p.m.

Instructors: Ezekiel Kalipeni, National Science Foundation

Organizers: Antoinette WinklerPrins, National Science Foundation; Thomas J. Baerwald, National Science Foundation; David McGinnis, National Science Foundation

Workshop Capacity: 30

Cost/person: Free

Room: Capitol Hill - Sheraton Hotel, Pike Tower, Third Floor

This is a one-hour workshop intended for faculty members and professional geographers (not graduate students) who engage in research in geography and who wish to learn how to prepare proposals for a regular research grant. Program officers from the Geography and Spatial Sciences Program at the National Science Foundation will highlight ways to improve the quality and competitiveness of a proposal. They will also discuss the review process, including intellectual merit and broader impacts, plus additional funding possibilities at NSF. Presentations will be followed by a question and answer opportunity.

SATURDAY, APRIL 16

15. Land Change Modeling Methods and Concepts

Saturday, April 16, 8:00 a.m. - 4:00 p.m.

Instructor/Organizer: Robert Gilmore Pontius, Jr., Clark University

Workshop Capacity: 30

Cost/person: \$43

Room: Capitol Hill - Sheraton Hotel, Pike Tower, Third Floor

This course provides hands-on training in GIS-based land change modeling. Participants learn how models work and how to quantify a model's ability to forecast land change. The workshop uses the modules Geomod, Validate, and ROC in the software Idrisi. Prior experience with GIS is helpful, while experience with Idrisi is not necessary. The course includes discussion concerning the effective use of models, regardless of the particular algorithm. Participants are entitled to a 50 percent discount on purchase of an individual Idrisi license. The presenter is Robert Gilmore Pontius Jr, Associate Professor at Clark University. *Participants must bring their own computers.*

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FIELD TRIPS

All field trips will depart from the Parking Garage Entrance on the Lower Level of the Washington State Convention Center.

SATURDAY, APRIL 9

1. Vancouver and Whistler, British Columbia: Seeking Sustainability

Saturday, April 9, 6:50 a.m. - Monday, April 11, 8:45 p.m.
 Organizer/Leader: Alison Gill, Simon Fraser University; Nadine Fabbi, Center for Canadian Studies, UW
 Trip Capacity: 22
 Cost/person: \$450 (includes 2 nights' accommodations, snacks, handouts, transportation)

This 3-day (2 night field trip) will focus on aspects of sustainable urban development. Vancouver is seeking to become the 'greenest city' in the world by 2020 whereas Whistler, one of North America's top mountain resorts, is an established leader in its approaches to sustainability planning and governance.

MONDAY, APRIL 11

2. Canada-US Border (Security) Tour

Monday, April 11, 9:00 a.m. - 5:00 p.m.
 Organizer/Leader: Kevin P. Cook, Consulate General of Canada
 Trip Capacity: 20
 Cost/person: \$65 (includes bus transportation, lunch)

The Canada-US Border (Security) Tour introduces participants to the history, role and responsibilities of the Canada Border Services Agency and US Customs and Border Protection at the third busiest crossing on the US-Canada Border. Since the attacks of 9/11 both the US and Canada have introduced operations and procedures to increase security at the common border while expediting the transit of legitimate trade and travel. Participants will tour the new Canada Douglas port-of-entry in Surrey BC (completed for the 2010 Winter Olympics), Pacific Highway Commercial port-of-entry, Peace Arch Park and new US Blaine port-of-entry (completed summer 2010). *Tour participants are required to provide full name, date of birth, country of citizenship, passport number, and affiliation/position before March 10.*

TUESDAY, APRIL 12

3. Northwest Tribal Climate Change Initiatives

Tuesday, April 12, 8:00 a.m. - 7:00 p.m.
 Organizer/Leader: Zoltan Grossman, The Evergreen State College, TBD, Swinomish Climate Change Initiative
 Trip Capacity: 22
 Cost/person: \$87 (includes transportation, lunch)

Tribal nations in the Pacific Northwest have already seen their cultures and economies threatened by climate change, including impacts on the salmon and other aquatic resource, increased flooding and glacial runoff, and damage to coastal communities. Northwest tribes have also been at the forefront of responding to the climate crisis, by drawing on traditional ecological knowledge, political sovereignty and a sense of community to enhance their historical resilience. This tour will go north of Seattle to visit the Swinomish Reservation near La Conner, and the Tulalip Reservation near Marysville, which have carried out innovative research projects for the adaptation and mitigation of climate change effects. The Swinomish Climate Change Initiative has emerged as a model planning project in Indian Country, and Tulalip's Qualco Energy biogas facility generates renewable energy as it reduces cattle waste in salmon streams. Both of these projects are carried out in collaboration with neighboring non-Native communities, in the spirit of a larger commitment to treaty rights and natural resource co-management in Washington. For background links see <http://academic.evergreen.edu/g/grossmaz/climate.html>.

4. Boeing Everett Assembly Plant Tour

Tuesday, April 12, 8:45 a.m. - 12:45 p.m.
 Organizer/Leader: John Bowen, Central Washington University
 Trip Capacity: 23
 Cost/person: \$47 (includes bus transportation, snack, admission fees)

Boeing's Everett, Washington plant, the largest building in the world by volume, was erected in the 1960s to assemble the 747 "jumbo" and was later enlarged to accommodate the 767 and 777 lines. Together these jets comprise much of the world's long-haul fleet and have played a crucial role in globalization. The newest jet at the plant is the 787, the fastest-selling new jet in history. Field trip participants will view these aircraft being assembled and will learn about Boeing's history, its current operations, and its vision of the future of air transportation. See www.futureofflight.org/fof_Boeing.html for tour restrictions.

FIELD TRIPS

All field trips will depart from the Parking Garage Entrance on the Lower Level of the Washington State Convention Center.

5. Snoqualmie Falls

Tuesday, April 12, 10:00 a.m. - 5:00 p.m.

Organizer/Leader: Gregory Plumb, East Central University

Trip Capacity: 32

Cost/person: \$79 (includes transportation, lunch, snack, admission fees)

Learn about the cultural and natural history of waterfalls as you are driven toward the windward flank of the Cascade Range. Marvel at the 268-foot plunge of Snoqualmie Falls and how its gorge is utilized to generate hydroelectric power. After a scrumptious lunch at Salish Lodge, work off your calories with a 2 1/2-mile round trip hike whose destination offers an exhilarating view of 135-foot Twin Falls from a cliff-side deck. Cost includes lunch, bottled water and trail bars, and an autographed copy of the 384-page *Waterfall Lover's Guide to the Pacific Northwest*.

WEDNESDAY, APRIL 13

10. Can you Smell the Fortune Cookie Factory? A Smell and Sound Walk in Seattle's International District and Chinatown

Wednesday, April 13, 8:00 a.m. - 11:00 a.m.

Organizer/Leader: Victoria Henshaw, The University of Sheffield; Joyce Pisanont, Seattle Chinatown ID Preservation & Development Authority

Trip Capacity: 25

Cost/person: \$5

Seattle has many wonderful, distinctive city quarters but perhaps none of them feature the variety of sensory stimuli than that of its International District and Chinatown. This sensory walk, incorporating the Wing Luke Museum of the Asian/Pacific American Experience, Little Saigon, the Danny Woo Community Garden and Maynard Alley, to name but a few, will provide an opportunity to sample the sensory delights and challenges of some of the area's most distinctive locations, providing a depth of insight not to be sniffed at. Sensible footwear and clothing should be worn as this visit includes a significant amount of walking. Participants also have an option to eat a reasonably priced lunch in one of the restaurants in the District at the end of the tour (participation to be confirmed with the organizers at the start of the walk).

15. Pike Place Market Walking Field Trip

Wednesday, April 13, 11:00 a.m. - 1:00 p.m.

Organizer/Leader: Bill Beyers, University of Washington

Trip Capacity: 35

Cost/person: \$5

The Pike Place Market is located just six blocks west of the Seattle Convention Center. This is one of the largest farmer's markets in the U.S., but it is much more than a farmer's market. It is a seven acre City of Seattle Historical District with a wide variety of shops, connectors to the Seattle waterfront, and housing for high and low income people. It is the home of the original Starbucks's coffee shop, and includes everything from the famous Gum Wall to fish merchants throwing whole salmon around. This field trip will include a walk through the market, as well as a discussion of the history of this Seattle institution.

11. Edible and Medicinal Plants of Seattle Walking Tour

Wednesday, April 13, 1:00 p.m. - 4:00 p.m.

Organizer/Leader: Arthur Lee Jacobson, author of *Wild Plants of Greater Seattle*; Melissa Poe, Institute for Culture and Ecology

Trip Capacity: 12

Cost/person: \$22 (bring \$4.75 exact change bus fare, not included)

Nicknamed the "Emerald City", Seattle is known for its green urban forests owing to biophysical, political and spatial ecologies yielding a rich biological diversity. Among the many benefits associated with this urban biodiversity, are the over 400 edible and medicinal plants found within the city. Come join us on a guided Edible & Medicinal Plants Tour in one of Seattle's celebrated green spaces located within minutes from the conference. The field trip will be led by Seattle plant expert Arthur Lee Jacobson (author of *Wild Plants of Greater Seattle*) and Environmental Anthropologist Dr. Melissa Poe (Institute for Culture and Ecology). The focus will be on in-season edible and medicinal plants, providing a chance to walk in a nearby forested area, learn about various uses of plants in the city, and hear about current applied research and urban planning efforts pertaining to urban foraging. *Bring: walking shoes, weather-appropriate clothing, water and snacks if needed, and \$4.75 for bus fare.*

FIELD TRIPS

All field trips will depart from the Parking Garage Entrance on the Lower Level of the Washington State Convention Center.

12. Seattle Aquarium and the Revitalization of the Waterfront

Wednesday, April 13, 2:00 p.m. - 4:30 p.m.

Organizer: Kathleen Braden, Seattle Pacific University

Leader: John Braden, Seattle Aquarium

Trip Capacity: 25

Cost/person: \$25 (includes entry fee, refreshments, donation to Seattle Aquarium Society)

This is a walking excursion to the Seattle Aquarium for a behind-the-scenes tour of the facility and presentation about its role in the economic revitalization of Seattle's central waterfront. Tour includes entry to the aquarium, refreshments hosted by the Aquarium Society, and guided walk along the neighboring piers, with discussion of the Alaskan Way Viaduct transportation proposal. Learn about the distinctives of the Seattle Aquarium: displays on marine life of the Pacific Northwest, emphasis on environmental education programs, and construction as a focal point for the renewal of the waterfront neighborhood. Tour will be led by the geographer who served as director of the aquarium through 2010. *Wear comfortable shoes, and note that the return walk is up a fairly steep hill.*

THURSDAY, APRIL 14

6. The Crossing-Over Place: Indigenous Histories in/of Seattle

Thursday, April 14, 12:40 p.m. - 3:40 p.m.

Organizer/Leader: Coll Thrush, University of British Columbia

Trip Capacity: 25

Cost/person: \$5

Every colonial city is built on Indigenous land, but few advertise it like Seattle. On this walking tour, historian Coll Thrush, author of *Native Seattle* will lead us to well-known urban sites like Pioneer Square, the Waterfront, and the Pike Place Market to talk about the histories of local Indigenous communities such as the Duwamish, Native migrants to the city, and the use of Indian imagery in the urban landscape. From an Indigenous flounder fishery to Indian skid road and the uses and abuses of Chief Seattle, we'll talk about the ways in which Indigenous and urban history are mutually constitutive.

7. Seattle Downtown Walking Tour by Regional Development and Planning

Thursday, April 14, 1:30 p.m. - 3:45 p.m.

Organizer/Leader: Jennifer Pomeroy, University of Maryland;

Dennis Meier, Seattle Department of Planning and Development

Trip Capacity: 40

Cost/person: \$27 (includes water, snack, map, handouts)

This year's Regional Development and Planning Specialty Group signature walking tour features the past and present development highlights in Seattle's downtown core. With the cooperation of the Seattle's Department of Planning and Development, the tour will meander through the city's financial district to examine major commercial projects representing various generations of Seattle's innovative incentive zoning program, as well as new public facilities including the Seattle Public Library, light rail transit tunnel, Benaroya Symphony Hall, and the Seattle Art Museum. Skirting along the edges of the historic Pike Place Market and Belltown residential neighborhood, the group will travel through the downtown retail core and follow the new streetcar route along Westlake Avenue to the emerging Denny Triangle mixed use neighborhood and South Lake Union development beyond. The walk through this area will pass major projects that include the new Federal Courthouse square, new mixed use and residential towers, and the renovated Paramount Theater, returning the group to the convention center.

FRIDAY, APRIL 15

8. Seattle Rail Transit and Transit-Oriented Development

Friday, April 15, 8:00 a.m. - 5:00 p.m.

Organizer/Leader: Andy Goetz, University of Denver; Keith Ratner, Salem State University

Trip Capacity: 49

Cost/person: \$30 (includes lunch)

This one-day field trip will feature the light rail, streetcar and commuter transit systems operated by Seattle's Sound Transit, and the development occurring in and around their current and future station areas. Sound Transit has been busy building the foundation of the regional mass transit system approved by voters in 1996. The Sounder commuter rail line has been operating between Seattle and Tacoma since 1999 and between Seattle and Everett since 2003. The Central Link light rail system from Downtown Seattle to Tukwila opened in July 2009 and service extended to SeaTac airport in December 2009. In late 2008, work began on a northern extension to the University of Washington. On Nov. 4, 2008, voters of the Central Puget Sound region approved a historic Sound Transit 2 ballot measure that will add regional express bus and commuter rail service while building 36 additional miles of light rail to form a 55-mile regional system.

FIELD TRIPS

All field trips will depart from the Parking Garage Entrance on the Lower Level of the Washington State Convention Center.

The field trip will start at the Sound Transit headquarters with an overview of the current and future rail transit system in Seattle. We will ride the Sound Transit Link light rail to Rainier Valley to observe examples of transit-oriented development as a result of Sound Transit/City of Seattle/private sector collaboration. Then, we will walk two blocks and board Seattle City Streetcar to travel through the South Lake Union area with stops at key locations. After a presentation and lunch at Fare Start on the streetcar route, we will visit the King Street Station area and adjacent Pioneer Square. Finally, we will take a motor coach and follow the alignment of the recently approved East Link Light Rail Line over Lake Washington through Bellevue to the Microsoft Campus in Redmond.

14. Chateau Ste. Michelle and Hollywood Schoolhouse Wine District

Friday, April 15, 9:00 a.m. - 5:00 p.m.
 Organizer/Leader: Gregory V. Jones, Southern Oregon University
 Trip Capacity: 33
 Cost/person: \$70 (includes bus transportation, lunch)

Located in the beautiful Sammamish River Valley approximately 30 minutes northeast from downtown Seattle, the Woodinville Wine Country has become the home to more than 50 wineries. From the anchor of the state's largest producer, Chateau Ste. Michelle, to numerous small boutique wineries, Woodinville is unique in that it may be the largest collection of wineries, in such a small region, so close to a major city anywhere in the world. This field trip will visit the beautiful Chateau Ste. Michelle winery, for a tour and lunch, and the historic Hollywood Schoolhouse district where one can visit over a dozen wineries.

9. Outer Limits and Beyond: The Impacts of Metro-Seattle's UGB on Rural Communities

Friday, April 15, 10:00 a.m. - 4:00 p.m.
 Organizer: William J. Gribb, University of Wyoming
 Leader: Gary Hassler, City of Bothell, Washington
 Trip Capacity: 31
 Cost/person: \$47

The Seattle metropolitan area imposed an urban growth boundary (UGB) in the early 1990s. The purpose of the UGB was to assist in decreasing urban sprawl and limit the expansion of metropolitan services into the ever-expanding suburbs and rural areas. The impacts to the rural communities surrounding metro-Seattle include increased housing pressures, differences in tax revenues and changes in land uses. This field trip is designed to visit sites within King County, WA that represent the communities on the rural side of the urban growth boundary. Communities at the north and eastern edges of the UGB will be visited and local citizens will provide their insight into the UGB impacts.

SATURDAY, APRIL 16

16. Catastrophic Missoula Floods and Central Washington's Channeled Scablands

Saturday, April 16, 7:00 a.m. - 9:00 p.m.
 Organizers/Leaders: Karl Lillquist, Central Washington University; Andy Bach, Western Washington University
 Trip Capacity: 50
 Cost/person: \$92 (includes bus transportation, lunch)

Join us as we explore the Central Washington evidence of world-class, late Pleistocene floods that originated from Glacial Lake Missoula in western Montana. These floods interacted with Miocene basalt flows and a loess cap to leave a bewildering array of landforms, collectively known as the Channeled Scablands. Field trip stops will include key flood evidence at Potholes Coulee, West Bar, Ephrata Fan, Soap Lake, lower Grand Coulee, and Dry Falls. Enroute, we will see the impacts of the Missoula Floods on prehistoric as well as contemporary land use. The field trip will involve several short (<2 mile) hikes on dirt trails. Bring footwear appropriate for such hikes. Weather east of the Cascades is typically very different from that of the Seattle area. Be ready for everything from sunny and warm (60-70oF) to cloudy, windy, and cold (40oF). Lunch, snacks, and water will be provided.

13. The Queen City Comes Out: Historical Geographies of Lesbian and Gay Seattle

Saturday, April 16, 9:00 a.m. - 12:00 noon
 Organizers/Leaders: Michael Brown, University of Washington, Seattle; Larry Knopp, University of Washington, Tacoma
 Trip Capacity: 25
 Cost/person: \$5

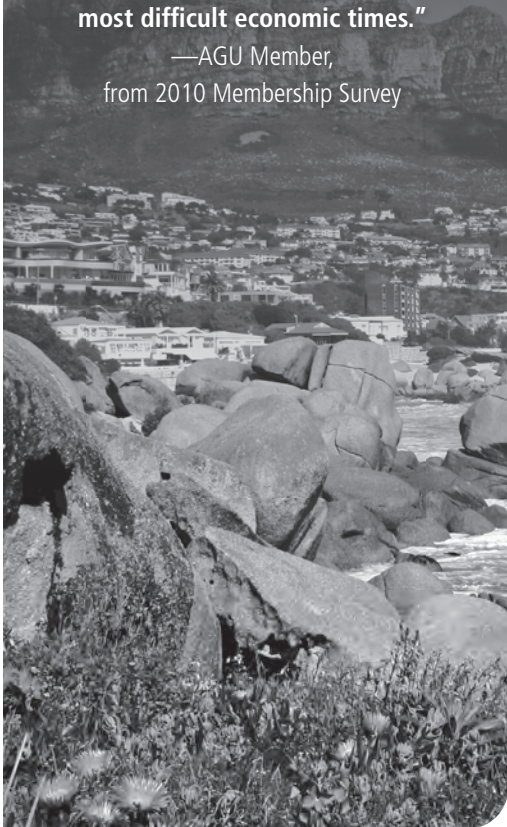
Before Seattle's Capitol Hill became the city's glbtq district in the 1970s and 1980s, Pioneer Square was home to a wide variety of spaces through which "homosexuals" (to use the terms of the day) forged identities, communities, loves, lusts, and lives. Run by two UW geographers in conjunction with the Northwest Lesbian & Gay History Museum Project, this 90 minute walking tour tells their tales and situates these closeted historical geographies in broader economic, political, and cultural forces. This tour will be of interest to queer, feminist, urban, historical, cultural, and political geographers.

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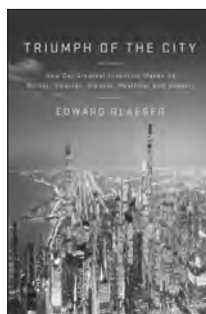
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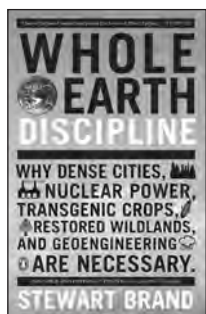
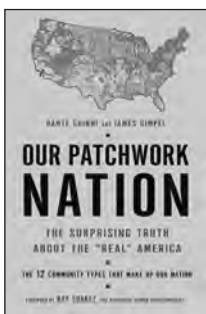
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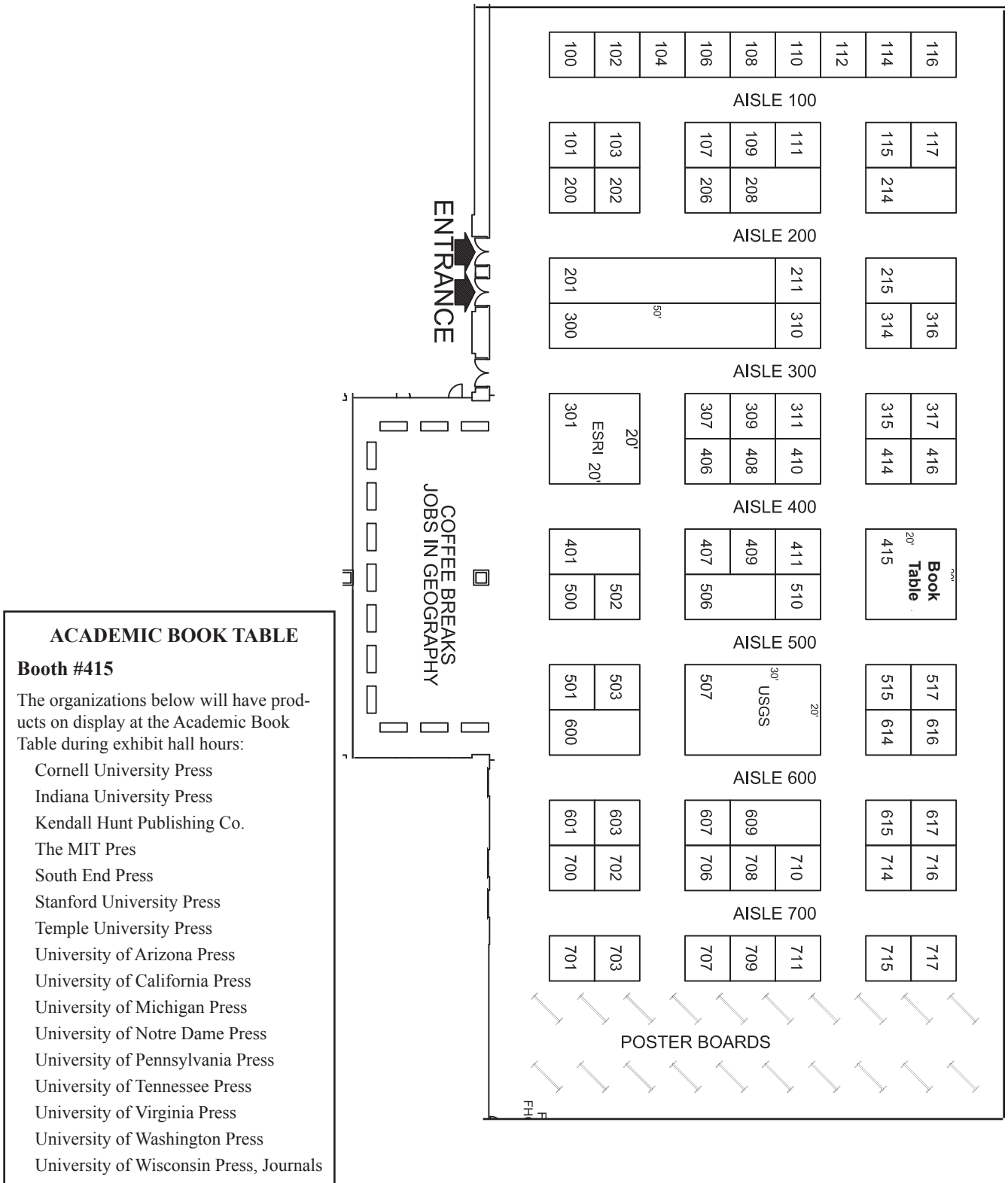


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Visit the 2011 AAG Annual Meeting Exhibitors in Exhibit Hall 6ABC of the Washington State Convention Center.

Exhibit Hall 6ABC is located on Level 6 of the Convention Center, behind the AAG Registration Desk.

Exhibit Hall hours are listed on page 6 of this program.



ACADEMIC BOOK TABLE

Booth #415

The organizations below will have products on display at the Academic Book Table during exhibit hall hours:

- Cornell University Press
- Indiana University Press
- Kendall Hunt Publishing Co.
- The MIT Press
- South End Press
- Stanford University Press
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- University of Notre Dame Press
- University of Pennsylvania Press
- University of Tennessee Press
- University of Virginia Press
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- University of Wisconsin Press, Journals

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In this issue, topics addressed will include a wide variety of physical and human geography topics relating to Asia. Additional focus will be on integrating geographic content on Asia, and geographic concepts, into history survey courses as well into various social science disciplines.

The U.S., Asia, and the World: 1620–1914 (Fall 2011)

In this issue, topics addressed will include the influence of China on the American founders, the Transcendentalists and Asian religion and philosophy, American missionaries in Asia, and the United States, Asia, and Imperialism.



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2. Consult the program addenda for CANCELLATIONS in your session. Paper withdrawals are noted in the daily bulletin. Plan how you will use any free time for the benefit of the session.
3. Hold each individual to the TIME ALLOTTED. You will be given four signal sheets by the Conference Volunteer monitoring your room to alert each speaker to the time remaining (10 minutes, 5 minutes, 2 minutes, 1 minute and STOP). If a speaker continues after time has expired, rise, ask those present to join you in thanking the speaker, and announce the next presentation. Be polite but implacable. The audience and other speakers will respect and support strong direction on your part.
4. Note the location of the nearest HOUSE PHONE. Should a medical emergency or problem with room lighting, temperature, etc. arise, the house phone will connect you to the hotel and assistance will be provided. Secondly, should a problem arise with any audiovisual equipment, contact a Conference Volunteer or AAG Staff member for assistance. A Conference Volunteer will check on your session occasionally and may help you summon assistance, but you should be prepared to do so independently. Conference Volunteers are not trained or authorized to operate or repair audiovisual equipment.
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- 1st digit = day (see below)
- 2nd digit = time period (see below)
- Last two digits = room code (see next page)

Key to days (**1st digit**) is as follows:

- Tuesday = 1
- Wednesday = 2
- Thursday = 3
- Friday = 4
- Saturday = 5

Below are the keys to time slots (**2nd digit**):

Tuesday, April 12

<i>Session #</i>	<i>Time</i>
14xx	12:40 p.m. - 2:20 p.m.
15xx	2:40 p.m. - 4:20 p.m.
16xx	4:40 p.m. - 6:20 p.m.
17xx	6:30 p.m. - 8:00 p.m.
	<i>(AAG Presidential Plenary)</i>
18xx	8:00 p.m. - 9:30 p.m.
	<i>(Opening Reception)</i>

Wednesday, April 13

<i>Session #</i>	<i>Time</i>
21xx	8:00 a.m. - 9:40 a.m.
22xx	10:00 a.m. - 11:40 a.m.
23xx	11:50 a.m. - 12:30 p.m.
24xx	12:40 p.m. - 2:20 p.m.
25xx	2:40 p.m. - 4:20 p.m.
26xx	4:40 p.m. - 6:20 p.m.
27xx	6:30 p.m. - 7:30 p.m.
28xx	7:30 p.m. - 8:30 p.m.

Thursday, April 14

<i>Session #</i>	<i>Time</i>
31xx	8:00 a.m. - 9:40 a.m.
32xx	10:00 a.m. - 11:40 a.m.
33xx	11:50 a.m. - 12:30 p.m.
34xx	12:40 p.m. - 2:20 p.m.
35xx	2:40 p.m. - 4:20 p.m.
36xx	4:40 p.m. - 6:20 p.m.
37xx	6:30 p.m. - 7:45 p.m.
	<i>(AAG Past President's Address)</i>
38xx	8:00 p.m. - 9:00 p.m.
	8:00 p.m. - 9:30 p.m.
	<i>(International Reception)</i>

Friday, April 15

<i>Session #</i>	<i>Time</i>
41xx	8:00 a.m. - 9:40 a.m.
42xx	10:00 a.m. - 11:40 a.m.
43xx	11:50 a.m. - 12:30 p.m.
44xx	12:40 p.m. - 2:20 p.m.
45xx	2:40 p.m. - 4:20 p.m.
46xx	4:40 p.m. - 6:20 p.m.
47xx	6:30 p.m. - 7:15 p.m.
48xx	7:00 p.m. - 8:00 p.m.

Saturday, April 16

<i>Session #</i>	<i>Time</i>
51xx	8:00 a.m. - 9:40 a.m.
52xx	10:00 a.m. - 11:40 a.m.
53xx	12:00 p.m. - 1:40 p.m.
54xx	1:50 p.m. - 3:50 p.m.
	<i>(AAG Awards Luncheon)</i>

Therefore, session 1402 would be held on Tuesday, April 12 (1402) from 12:40 p.m. - 2:20 p.m. (1402) in the Room 602 of the Washington State Convention Center (1402).

xx (last two digits) = Room code (See next page for list of room code numbers)

KEY TO ROOMS

Room Code (**last two digits** of session number):

Facility maps can be found on pages 12-14 (Washington State Convention Center) and 8-10 (Sheraton Seattle Hotel).

The rooms on the Second Floor of the Sheraton can be accessed by both the Pike and Union Tower elevator banks.

The rooms on the Third, Fourth and Thirty Fifth Floors can **only** be accessed by the tower elevator bank indicated on page 8.

WSCC = Washington State Convention Center

Session Room Code#	Room Name	Location	Session Room Code#	Room Name	Location
01	601	WSCC, Level 6	48	Cirrus Ballroom	Sheraton, Thirty Fifth Floor
02	602	WSCC, Level 6	49	Alki / Dashpoint	Sheraton, Fourth Floor
03	603	WSCC, Level 6	50	Boren	Sheraton, Fourth Floor
04	604	WSCC, Level 6	51	Columbia	Sheraton, Fourth Floor
05	605	WSCC, Level 6	52	Jefferson	Sheraton, Fourth Floor
06	606	WSCC, Level 6	53	Pacific	Sheraton, Fourth Floor
07	607	WSCC, Level 6	54	Pike	Sheraton, Fourth Floor
08	608	WSCC, Level 6	55	Richmond	Sheraton, Fourth Floor
09	609	WSCC, Level 6	56	Seneca	Sheraton, Fourth Floor
10	610	WSCC, Level 6	57	Shilshole	Sheraton, Fourth Floor
11	611	WSCC, Level 6	58	University	Sheraton, Fourth Floor
12	612	WSCC, Level 6	59	Virginia	Sheraton, Fourth Floor
13	613	WSCC, Level 6	60	Admiral	Sheraton, Third Floor
14	614	WSCC, Level 6	61	Ballard	Sheraton, Third Floor
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20	620	WSCC, Level 6	67	Issaquah B	Sheraton, Third Floor
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40	205	WSCC, Level 2	87	Willow B	Sheraton, Second Floor
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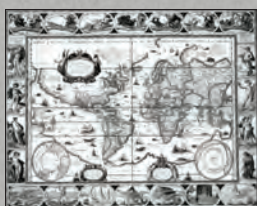


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TUESDAY

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TUESDAY, APRIL 12 • 12:40 PM - 2:20 PM • 1400**1403. A Citizen Based Approach to Environmental Policy**

Room: 603 - Washington State Convention Center, Level 6

(Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Adrienne Johnson, Clark University

12:40 Saiontoni Sarkar*, Duke University, *The role of science and education in a volunteer-based citizen science project.***1:00** Weston R. Brinkley, MUP*, Cascade Land Conservancy, *Understanding and Optimizing Volunteer Environmental Stewardship Motivations, Operations, and Capacity in Seattle and King County, WA.***1:20** David Mattern, CEP*, Parametrix, Inc., *But what if we don't? Spatial aspects of the No-Action Alternative in NEPA analysis.***1:40** Marie Javdani*, University of California - Los Angeles, *NGOs and Environmental Issues: A Role to Play?.***2:00** Adrienne Johnson*, Clark University, *Sawit Watch and Governmentality: The Uneven Geographies of Nongovernmental Organizations.***1404. Human Impacts on Watershed Processes I - Hydrological Processes & Modeling (Sponsored by Geomorphology Specialty Group, Water Resources Specialty Group, Mountain Geography Specialty Group)**

Room: 604 - Washington State Convention Center, Level 6

(Paper Session)

ORGANIZER(S): Shixiong Hu, Dept. of Geography, East Stroudsburg University of PA; Katie Price, US EPA

CHAIR(S): Shixiong Hu, Dept. of Geography, East Stroudsburg University of PA

12:40 Steven Schultze*, Western Michigan University, *Hydrologic Modeling of Wetland Loss in North-Central Florida.***1:00** Katie Price*, US EPA; Steve Kraemer, US EPA; Tom Purucker, US EPA, *Spatio-temporal analysis of precipitation data sources in watershed modeling.***1:20** Jordan A. Clayton*, Georgia State University, *Weekly cycles in stream discharge for small urban-region watersheds: initial results for the Atlanta metropolitan area.***1:40** Rongrong Wan*, Rongrong Wan, Visiting Scholar, Department of Geography, The Ohio State University; Rongrong Wan, Associate Professor, Nanjing Institute of Geography & Limnology, Chinese Academy of Sciences; Desheng Liu, Department of Geography, Department of Statistics, The Ohio State University; Darla Munroe, Department of Geography, The Ohio State University; Shanshan Cai, Department of Geography, The Ohio State University; Shiguo Jiang, Department of Geography, The Ohio State University, *Hydrologic response to land-use and land-cover change at a watershed scale.***2:00** Chansheng He, Professor*, Western Michigan University, *Development of A Watershed Science..***1411. Landscapes out of place? Political ecologies of exurbia 1: Land use/land cover?it's not what you think (Sponsored by Cultural and Political Ecology Specialty Group, Rural Geography Specialty Group, Human Dimensions of Global Change Specialty Group)**

Room: 611 - Washington State Convention Center, Level 6

(Paper Session)

ORGANIZER(S): Laura Taylor, York University

CHAIR(S): Patrick T. Hurley, Ursinus College

12:40 Rinku Roy Chowdhury*, Indiana University; Albert Decatur, Clark University; Morgan Grove, U.S. Forest Service; Edmund Harris, Clark University; Kelli Larson, Arizona State University; Deborah Martin, Clark University; Jarlath O'Neil-Dunne, University of Vermont; Laura Ogden, Florida International University; Colin Polsky, Clark University; Nicholas Vaughn, Indiana University, *Landscape and Social Ecologies of Suburbanization: What is on our Residential Landscapes?.***1:00** Colin Polsky*, Clark University; Morgan Grove, U.S. Forest Service; Kelli Larson, Arizona State University; Laura Ogden, Florida International University; Jim Fraser, Dr., Vanderbilt U.; Edmund Harris, Clark University; Deborah Martin, Clark University; Rebecca Garvoille, Florida International University; Jesse Sayles, Arizona State University; Nicholas Vaughn, Indiana University, *Landscape and social ecologies of suburbanization: Why our landscapes are the way they are..***1:20** Kelly Turner*, Arizona State University, *The Impact of Homeowners Associations on Residential Water Demand Management in Phoenix, Arizona.***1:40** Nicholas Gill*, University of Wollongong; Erin Lake, BA (Hons), University of Wollongong; Peter Klepeis, PhD, Colgate University; Laurie Chisholm, PhD, University of Wollongong, *Invasive Plant Management In Amenity Landscapes.***2:00** Innisfree L. Mckinnon*, University of Oregon, *Old West versus New West, Exurban Sprawl and High Value Agriculture: Compatible or Competing Capitalisms?.***1412. Natures of Contention: At the Intersection of Political Ecology and Social Movements: I (Sponsored by Cultural and Political Ecology Specialty Group, Development Geographies Specialty Group)**

Room: 612 - Washington State Convention Center, Level 6

(Paper Session)

ORGANIZER(S): Brent McCusker, West Virginia University; Bradley Wilson, West Virginia University

CHAIR(S): Jeremia Njeru, West Virginia University

12:40 Brent McCusker*, West Virginia University, *Theorizing the Intersection of Political Ecology and Social Movements.***1:00** Waquar Ahmed*, Mount Holyoke College, *Nature and Economy in Contention: Case of Coalmining area in Eastern India.***1:20** Leah S Horowitz, Ph.D.*, Rutgers University, *Micropolitical Opportunity Structures: The Role of Customary Authority and Personal Charisma in Indigenous Anti-Mining Protest in New Caledonia (South Pacific).***1:40** Emily Billo*, Syracuse University, *The politics of oil extraction: corporate social responsibility and indigenous communities in Ecuador.*

Discussant(s): Bradley Wilson, West Virginia University

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1413. Population: Geography, Institutions, and Society (Sponsored by Population Specialty Group)

Room: 613 - Washington State Convention Center, Level 6
(Paper Session)

ORGANIZER(S): Rachel S. Franklin, Brown University

CHAIR(S): Nancy Torrieri, U.S. Bureau Of the Census

12:40 Brandon H Haddock, M.S.*, Kansas State University, *Needles in the Haystack: Factors of invisibility within rural queer populations.*

1:00 Lisa Jordan, Ph.D.*, Florida State University, *Local Analysis of Social Data: Looking Beyond 2000.*

1:20 Elise Bowditch, PhD candidate*, University of Washington, *Using King's Method of Ecological Inference to Shed Light on Washington State Truancy Data.*

1:40 Lee Hachadoorian*, CUNY Graduate Center, *Jurisdictional Homogeneity and Coextensive Local Government Borders: A Comparison of Suburban Counties in New Jersey and New York State.*

2:00 Nancy Torrieri, Ph.D.*, U.S. Bureau Of the Census, *Update on the American Community Survey.*

1414. Geographies of Youth, Gender and Ethnicity I (Sponsored by Geographic Perspectives on Women Specialty Group, Ethnic Geography Specialty Group)

Room: 614 - Washington State Convention Center, Level 6
(Paper Session)

ORGANIZER(S): Caitlin O'Neill Gutierrez, UCL

CHAIR(S): Caitlin O'Neill Gutierrez, UCL

12:40 Elsa Davidson, Dr.*, Assistant Professor of Anthropology, Montclair State University, *"They Think I'm Going to Get Pregnant' vs. Sexy Future CEO: Gendered Risk and Responsibility Within the Divided Spaces of School and Community in Silicon Valley.*

1:00 René Kladzyk*, University of Oregon, *Nini's in El Paso: The Nihilistic Nightlife of Ciudad Juárez's Young Upper Class.*

1:20 Maria Kromidas*, University of Bridgeport, *Re-valuing Difference, Devaluating White-ness and Refiguring America: Cosmopolitran Practices in New York City.*

1:40 Min Zhang*, Department of Anthropology, Harvard University, *Being Seated: A Study of Social-Material Organization of Space and Seating Arrangement in a Chinese Rural Middle School.*

Discussant(s): Caitlin O'Neill Gutierrez, UCL

1415. Gendered cultures (Sponsored by Geographic Perspectives on Women Specialty Group)

Room: 615 - Washington State Convention Center, Level 6
(Paper Session)

ORGANIZER(S): Deborah Thien, California State University, Long Beach

CHAIR(S): Deborah Thien, California State University, Long Beach

1416. Interpolation and Uncertainty in Small-Area Estimates 1 (Sponsored by Geographic Information Science and Systems Specialty Group, Population Specialty Group, Spatial Analysis and Modeling Specialty Group)

Room: 616 - Washington State Convention Center, Level 6
(Paper Session)

ORGANIZER(S): Barbara Pfeil Buttenfield, University of Colorado, Boulder; Nicholas Nagle, University of Tennessee

CHAIR(S): Nicholas Nagle, University of Tennessee

12:40 Mitchel Langford, Dr*, University of Glamorgan; Gary Higgs, Professor, University of Glamorgan, *Evaluating the performance of the binary dasymetric interpolation model at the lowest census dissemination level.*

1:00 Rachel R Sleeter*, U.S. Geological Survey, Western Geographic Science Center, Menlo Park, CA.; Amy Mathie, U.S. Geological Survey, Western Geographic Science Center, Vancouver, WA., *Dasymetric Population Modeling for Clackamas County, Oregon.*

1:20 Stefan Leyk*, University of Colorado; Barbara P. Buttenfield, University of Colorado; Nicholas N. Nagle, University of Tennessee, *Choosing Related Variables in Dasymetric Modeling to Refine Microdata Allocations.*

1:40 Taylor C. Johnson*, University of Georgia; Steven R. Holloway, University of Georgia, *The Application of "Intelligent Dasymetric Mapping": A More Contextual Understanding of Community Collective Efficacy.*

2:00 Jonathan Schroeder*, University of Minnesota; David Van Riper, University of Minnesota, *Because Miami's densities are not Missoula's: A geographically weighted dasymetric interpolation method.*

1417. Eurasian homelands 1: place, nationality and (im)mobility in modern Eurasian spaces (Sponsored by Russian, Central Eurasian, and East European Specialty Group)

Room: 617 - Washington State Convention Center, Level 6
(Paper Session)

ORGANIZER(S): Jessica K. Graybill, Colgate University

CHAIR(S): Jessica K. Graybill, Colgate University

12:40 Alexander C. Diener*, George Washington University, *The Evolution of Mobilities and Immobilities in Eurasia.*

1:00 Peter J. Sinnott, Ph.D.*, Independent Scholar, *Competing Nationalisms and Political Power: Integration and Segregation factors in the Osh, Kyrgyzstan massacre of June 2010.*

1:20 Bella Bychkova Jordan, PhD*, University of Texas - Austin, *Land degradation processes due to diverse mining activities in Sakha Republic (Yakutia).*

1:40 Tamar Mayer*, Middlebury College, *Performing Uighur identity and China's changing policies in Xinjiang.*

2:00 Matthew Derrick*, Department of Geography, University of Oregon, *Placing Faith in Tatarstan, Russia: Islam and the Negotiation of Homeland.*

1418. A Flat (not so) Green Place - Irrigation, Fertilizers, and Drylands

Room: 618 - Washington State Convention Center, Level 6
(Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): W. Dean Hively, United States Geological Survey

12:40 Amanda R. Carrico, Ph.D.*, Vanderbilt University; James C. Fraser, Vanderbilt University; Joshua T Bazuin, Vanderbilt University, *Exploring the Factors that Shape Household Lawn Fertilization.*

1:00 James C. Fraser*, Vanderbilt University; Josh Bazuin, Vanderbilt University; Amanda Carrico, Vanderbilt University, *The construction of neighborhood community and its effects on lawn fertilization rates.*

1:20 W. Dean Hively, Ph.D.*, United States Geological Survey; Kusuma Prabhakara, University of Maryland, *Mapping winter groundcover in the Chesapeake Bay region.*

*** Continued into next slot, 1616

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- 1419. Part I: Teaching and Learning Geography at a Distance: What's New and Exciting? (Sponsored by Geography Education Specialty Group)**
Room: 619 - Washington State Convention Center, Level 6
(Paper Session)
ORGANIZER(S): Richard B. Schultz, Elmhurst College; Michael N. DeMers, New Mexico State University
CHAIR(S): Richard B. Schultz, Elmhurst College
Introducer: Richard B. Schultz
12:42 Michael N. DeMers*, New Mexico State University, *Creating Virtual Communities of Practice for GIS Education.*
1:02 Richard B. Schultz*, Elmhurst College, *A Technology Mashup in Online Learning: A Journey From Geospatial Awareness Towards Literacy.*
1:22 Michael E. Ritter*, University of Wisconsin - Stevens Point, *Teaching Physical Geography Online: Old Challenges, New Possibilities.*
1:42 Mark R. Hafen, Ph.D.*, Univ of South Florida, *Distance Learning, Spatial Thinking, and Google Earth: A Trilogy.*
Discussant(s): Richard B. Schultz, Elmhurst College
- 1424. Hub Cities and the Knowledge Economy. Airports. Seaports. Brainports. (1) (Sponsored by Urban Geography Specialty Group, Economic Geography Specialty Group)**
Room: 301 - Washington State Convention Center, Level 3
(Paper Session)
ORGANIZER(S): Sven Conventz, Technical University of Munich; Alain Thierstein, Munich University of Technology
CHAIR(S): Ben Derudder, Ghent University
12:40 Heidi Hanssens*, Ghent University; Ben Derudder, Ghent University; Frank Witlox, Ghent University, *Nodes of knowledge in the Belgian segment of global production networks: the geography of advanced producer service procurement by Belgium's largest companies.*
1:00 Anna Growe*, TU Dortmund, *Specialized Knowledge-hubs in the German urban system. The development of functional specialization in the polycentric German urban system.*
1:20 Heike Mayer*, University of Bern (Switzerland), *Capital Cities as Knowledge Hubs.*
1:40 Oedzge Atzema*, Utrecht University; Wouter Jacobs, Utrecht University; Annelies Goorts, Utrecht University; Christiaan De Groot, Utrecht University, *The Amsterdam Family of Clusters: Promoting Related Variety in Urban Policy as a source for Urban Competitiveness.*
- 1426. Dendrochronology I: Dendrochronological Applications I (Sponsored by Paleoenvironmental Change Specialty Group, Biogeography Specialty Group)**
Room: 303 - Washington State Convention Center, Level 3
(Paper Session)
ORGANIZER(S): Christopher M. Gentry, Austin Peay State University; Karla Hansen-Speer, Indiana State University
CHAIR(S): Kristen De Grauw
12:40 Karla Hansen-Speer, PhD*, Indiana State University; James H Speer, PhD, Indiana State University; Lynn Harrell, PhD, Bureau of Land Management, Kemmerer Office, *Dating of the Bridger Antelope Trap in Wyoming Using Dendrochronology.*
1:00 Darrin L Rubino, Ph.D.*, Hanover College, *Dendroarchaeological analysis of Southeastern Indiana Structures Reveals Hoosier and Pennsylvanian Timber Components.*
- 1:20** Justin T. Maxwell*, Carolina Tree-Ring Science Laboratory, UNC at Greensboro; Paul A. Knapp, Ph.D., Carolina Tree-Ring Science Laboratory, UNC at Greensboro, *Reconstructing Honey Yield from Nyssa ogeche Tree-rings in Northwest Florida: A Preliminary Analysis..*
- 1427. Space and Social Networks 1 (Sponsored by Political Geography Specialty Group)**
Room: 304 - Washington State Convention Center, Level 3
(Paper Session)
ORGANIZER(S): Olivier Walther, CEPS/INSTEAD Luxembourg; Christophe SOHN, CEPS/Instead
CHAIR(S): Dimitrios Christopoulos, UWE-Bristol
12:40 Christophe SOHN*, CEPS Luxembourg, *The spatiality of social networks.*
1:00 Lingqian Hu*, *Spatial Characteristics of Social Networks.*
1:20 Celine Rozenblat*, Universite De Lausanne, *Dynamic of World cities'system through multinational firms'networks: a multi-level and multi-dimensional approach based on agent and cities networks.*
1:40 Edward Pultar*, University of California, Santa Barbara, *Social networks, travel behavior, social capital..*
2:00 Petr Matous*, University of Tokyo; Yasuyuki Todo, University of Tokyo; Dagne Mojo, University of Tokyo / Ethiopian Institute of Agricultural Research, *Boots are Made for Walking: The Spatiality of Social Networks in a Pedestrian, Phone-Free Society.*
- 1429. Paleoenvironments and Climate Change in Western North America: Lessons from the Past, Prospects for the Future I (Sponsored by Paleoenvironmental Change Specialty Group, Climate Specialty Group, Biogeography Specialty Group)**
Room: 306 - Washington State Convention Center, Level 3
(Paper Session)
ORGANIZER(S): Jesse Morris, University of Utah; David F Porinchi, Ohio State University
CHAIR(S): Cary J. Mock, University of South Carolina
12:40 Daniel Griffin, Ph.D. Candidate*, The University of Arizona, School of Geography and Development, Laboratory of Tree-Ring Research; Connie A Woodhouse, Ph.D., The University of Arizona, School of Geography and Development, Laboratory of Tree-Ring Research; David M Meko, Ph.D., The University of Arizona, Laboratory of Tree-Ring Research; Ramzi Touchan, Ph.D., The University of Arizona, Laboratory of Tree-Ring Research; Steven W Leavitt, Ph.D., The University of Arizona, Laboratory of Tree-Ring Research; Christopher L Castro, Ph.D., The University of Arizona, Department of Atmospheric Sciences; Brittany Ciancarelli, M.S. Candidate, The University of Arizona, Department of Atmospheric Sciences, *Tree Rings and the Summer Monsoon in the Southwestern United States.*
1:00 David F Porinchi*, The Ohio State University - Geography, *The Younger Dryas cold interval as seen from the Sierra Nevada, CA..*
1:20 Scott W Starratt*, United States Geological Survey, *The influence of the eastern Pacific Ocean on lacustrine and estuarine records in the western United States.*
1:40 Kelly D Hollingshead*, Lake and Reservoir Systems (LARS) Research Facility, Dept. of Geography, University of Western Ontario; Katrina A Moser, Lake and Reservoir Systems (LARS) Research Facility, Dept. of Geography, University of Western Ontario; Mark B Abbott, Dept. of Geology and Planetary Science, University of Pittsburgh, USA, *Investigating drought in northern Washington using diatoms preserved in lake sediments.*

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- 2:00** J. Michelle Delepine, M.Sc.* , University of Victoria, Department of Geography; Terri Lacourse, Ph.D., University of Victoria, Department of Biology; Rolf W. Mathewes, Ph.D., Simon Fraser University, Department of Biological Sciences, *Paleoecological analyses of lake sediments from Hippa Island, Haida Gwaii (Queen Charlotte Islands), British Columbia.*
- 1430. Tourism Economy, Development and Entrepreneurship (co-sponsored by the IGU Tourism Commission) (Sponsored by Recreation, Tourism, and Sport Specialty Group, Economic Geography Specialty Group)**
Room: 307 - Washington State Convention Center, Level 3 (Paper Session)
 ORGANIZER(S): Alan A. Lew, Northern Arizona University; Jarkko Saarinen, University of Oulu
 CHAIR(S): Jarkko Saarinen, University of Oulu
12:40 Patrick Brouder*, Dept. of Social & Economic Geography, Umeå University, Sweden.; Rikard H. Eriksson, PhD, Dept. of Social & Economic Geography, Umeå University, Sweden, *Staying Power: the role of relatedness and geographic proximity for firm survival in the Swedish tourism sector.*
1:00 Amy Miller Gray*, Indiana University Geography Department, *Kuna Complicity with Tourist Misinterpretations.*
1:20 Karl Kirby*, University of Tennessee, *"Xe Om Cho Tay": Motorbike Guides in Transitional Vietnam and the Creation of a Cultural Tourism Product.*
1:40 Albina Pashkevich, PhD*, Dalarna University; Susanna Heldt-Cassel, PhD, Dalarna University, *Experience For Few or Many? Examples From the Destination Development of Kiruna, Northern Sweden.*
2:00 Daniel Moscovici, PhD*, Richard Stockton College, *From the Putting Green to Going Green: Can a State College Purchase and Pursue Environmentally Beneficial Practices at a World Class Tourism Destination and Resort?.*
- 1431. The blue frontier: linking projects, processes, and politics in oceans governance I (Sponsored by Cultural and Political Ecology Specialty Group, Human Dimensions of Global Change Specialty Group, Coastal and Marine Specialty Group)**
Room: 308 - Washington State Convention Center, Level 3 (Paper Session)
 ORGANIZER(S): Jennifer J. Silver, Duke University; Rebecca Gruby, Duke University
 CHAIR(S): Jennifer J. Silver, Duke University
12:40 Amy Freitag*, Duke University; Mark Hooper, Carteret Catch; Daniel Rittschof, Duke University; Lisa Campbell, Duke University, *Water Quality Through the Eyes of Fishers: Who's Responsible?.*
1:00 Brittany Davis*, University of Arizona, *Protecting the ocean for whom?: (II) Legitimate Actors and Marine Conservation in Útila, Honduras.*
1:20 Myriah Cornwell*, Duke University, *Dar la consciencia: Creating a conservation culture through sea turtle monitoring in Baja California Sur, Mexico.*
1:40 Amelia Duffy-Tumas*, Rutgers University, *Fishers' movements, moving fishes: Problems of scale and the politics of fisheries management efforts in West Africa.*
2:00 Rebecca L Gruby*, Duke University; Leila Sievanen, PhD, Brown University; Lisa M Campbell, PhD, Duke University, *Rescaling Marine Governance in Fiji: Scalar Politics of Ecosystem-Based and Community-Based Conservation.*
- 1433. Geographies of Media I: Space and Place in Popular Culture (Sponsored by Political Geography Specialty Group, Cultural Geography Specialty Group, Communication Geography Specialty Group)**
Room: 310 - Washington State Convention Center, Level 3 (Paper Session)
 ORGANIZER(S): Crista Livecchi, Pennsylvania State University; Timothy Vatovec, University of Kentucky
 CHAIR(S): Crista Livecchi, Pennsylvania State University
12:40 Emma Gaalaas Mullaney*, The Pennsylvania State University; Vanessa A Massaro, The Pennsylvania State University, *Spitting Postcolonial Space: Rap Music and Contentious Politics in the US City.*
1:00 David Coon, Assistant Professor*, University of Washington Tacoma, *From the Burbs to the Border: The Spatial Politics of Showtime's Weeds.*
1:20 Jon C. Sakamoto, MPA*, CSU Northridge, Department of Geography, *Space as a Scarce Resource: The Representation of Displaced Refugees, Machine Space and Faster-than-Light Travel in the re-imagining of the Science Fiction Melodrama Battlestar Galactica..*
 Discussant(s): Giorgio Hadi Curti, San Diego State University
- 1435. Urban and Regional Planning**
Room: 3B - Washington State Convention Center, Level 3 (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Graham Squires, University of the West of England, Bristol, UK
12:40 Austin R. Barber, Dr.* , University of Birmingham, *Cosmopolis Meets Convention City: The Realities of Progressive Planning in the Central City.*
1:00 Antoine Decoville*, CEPS- Luxembourg, *Towards a regulation of the spatial development of an emerging metropolis: the Luxembourgish urban planning policy and its dilemmas..*
1:20 Frédéric Durand*, CEPS/INSTEAD, *Is cross-border metropolitan planning a reality? The case studies of the cross-border metropolitan regions of Lille and Luxembourg.*
1:40 Mário Vale*, University of Lisbon, *Power Coalitions, Governance and Urban Growth: the cases of '22@bcn' at Barcelona (Spain) and the expansion of 'EXPO 98' site at Lisbon (Portugal).*
2:00 Graham Squires*, University of the West of England, Bristol, UK, *The transfer of urban policy for spatially targeted economic development initiatives.*
- 1436. Monitoring landscape-scale disturbance and recovery with remote sensing I: detection and characterization (Sponsored by Geographic Information Science and Systems Specialty Group, Remote Sensing Specialty Group, Human Dimensions of Global Change Specialty Group)**
Room: 201 - Washington State Convention Center, Level 2 (Paper Session)
 ORGANIZER(S): Zachary Christman, Clark University; Kirsten Barrett, United States Geological Survey
 CHAIR(S): Kirsten Barrett, United States Geological Survey
12:40 Mahtab A. Lodhi, Ph.D.* , University of New Orleans, *Catastrophic slope failures and associated disasters and hazards in the Karakoram-Himalayas.*
12:57 Ophelia Wang*, Northern Arizona University; Aaryn Olsson, Northern Arizona University; Luke Zachmann, Northern Arizona University; Steven Sesnie, Northern Arizona University; Brett Dickson, Northern Arizona University, *Maximizing invasive plant detectability in the field using integrated habitat suitability models, GIS, and remote sensing data.*

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1:14 Ran Meng*, Department of Geography, University of Utah; Philip E. Dennison, Department of Geography, University of Utah, *Mapping tamarisk defoliation by the saltcedar leaf beetle using Landsat time series data.*

1:31 Anu Swatantran*, University of Maryland - College Park; Ralph Dubayah, University of Maryland, College Park; Michelle Hofton, University of Maryland, College Park; J. Bryan Blair, Goddard Space Flight Center, NASA, Greenbelt MD, *Mapping Canopy Height and Biomass Dynamics in the Sierra Nevada Using Waveform Lidar.*

1:48 Esteban Rossi*, Clark University Graduate School of Geography; John Rogan, Clark University Graduate School of Geography; Laura Schneider, Department of Geography, Rutgers University., *Hurricane disturbances and forest dynamics in Meso-America: A comparative study integrating methods from remote sensing and forest ecology.*

2:04 Marco Millones*, Clark University, *Fire patterns and anthropogenic land change in the Mexican Yucatan.*

1438. Sustainable Communities 1

Room: 203 - Washington State Convention Center, Level 2
(Paper Session)

ORGANIZER(S): Alison Blay-Palmer, Wilfrid Laurier University
CHAIR(S): Alison Blay-Palmer, Wilfrid Laurier University

12:40 Scott E Russell*, Southern Connecticut State University, *Does the sustainable food movement foster social justice in New Haven, Connecticut?.*

1:00 Adrian Morley*, Cardiff University, *Schools as 'Flagships' for Sustainable Communities: The Role of Food Procurement & Provisioning.*

1:20 Benjamin Shender, MA*, Zane State College, *Geospatial Patterns in Vulnerability to Peak Oil.*

1:40 Kevin Ramsey, Ph.D.*, U.S. Environmental Protection Agency, *Promoting Sustainable Community Development through Performance Measurement: Challenges and Pathways Forward.*

1439. GEOBIA/OBIA (Geo-Object Based Image Analysis) Applications (Section A) (Sponsored by Remote Sensing Specialty Group)

Room: 204 - Washington State Convention Center, Level 2
(Paper Session)

ORGANIZER(S): L. Monika Moskal, University of Washington
CHAIR(S): L. Monika Moskal, University of Washington

12:40 L. Monika Moskal, PhD*, University of Washington, *Hyper-resolution in remote sensing: What's all the hype about?.*

1:00 Diane M. Styers, PhD*, University of Washington; L. Monika Moskal, PhD, University of Washington; Kathleen Wolf, PhD, University of Washington; Meghan Halabisky, University of Washington; Jeff Richardson, University of Washington; Alexandra Kazakova, University of Washington; Justin Kirsch, University of Washington, *Monitoring Urban Forest Canopies Using Object-Based Image Analysis and Public Domain Remotely Sensed Data.*

1:20 Luke J. Marzen*, Auburn University; Rajesh Sawant, Auburn University; Batoul Damghani, Auburn University; Suresh Sharma, Auburn University; Puneet Srivastava, Auburn University; Eric Reutebuch, Auburn University; William Deutsch, Auburn University, *Comparison of Traditional Pixel Based Classification with Geo-Object Based Image Analysis of Landsat TM Images for the Saugahatchee Watershed, Alabama.*

1:40 Weidong Li*, College of Resources and Environment, Huazhong Agricultural University; Chuanrong Zhang, Department of Geography and Center for Environmental Sciences and Engineering, University of Connecticut, *A Markov Chain Geostatistical Framework for Land-Cover Classification with Uncertainty Assessment Based on Expert-Interpreted Pixels from Remotely Sensed Imagery.*

2:00 Rahul Rakshit*, Clark University, *1) A survey of accuracy assessment measures in object based image analysis.*

1440. Geographies of Everyday (Im)mobilities I (Sponsored by Qualitative Research Specialty Group, Transportation Geography Specialty Group)

Room: 205 - Washington State Convention Center, Level 2
(Paper Session)

ORGANIZER(S): David Butz, Brock University; Nancy E. Cook, Brock University

CHAIR(S): David Butz, Brock University

12:40 Anne Gilbert*, University of Ottawa, *Mobility against Place: daily life in Canada's National Capital Region.*

1:00 Heather Maguire, PhD Candidate*, York University, *The queasy, the shaky & the loud: 'Knowing your boat' through affective mobilities.*

1:20 Sridevi Padmanabhan*, Heidelberg University, Cluster of Excellence, *Trapped Selves: Mobile Phone Technology and (Im)mobility Patterns in Bangalore.*

1:40 Kathryn Pratt*, Macalester College, *Seeing through Movement: Finding Everyday Mobilities in Chilean Temperate Rainforest Conservation.*

2:00 Mimi Sheller, Ph.D.*, Drexel University, *Theorizing Aeromobilities on the US-Caribbean Border.*

1441. Open Source Tools in GIS Research and Education (I) (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group, Spatial Analysis and Modeling Specialty Group)

Room: 206 - Washington State Convention Center, Level 2
(Paper Session)

ORGANIZER(S): Sung-Gheel Jang, Cleveland State University; Luc Anselin, Arizona State University

CHAIR(S): Serge Rey, Arizona State University

12:40 Myunghwa Hwang*, GeoDaCenter at Arizona State University; Luc Anselin, GeoDaCenter at Arizona State University, *Evaluating Usability of A Web Application for Local Spatial Autocorrelation Analysis.*

1:00 Luc Anselin*, Arizona State University, *GeoDaSpace: A Tool for Modern Spatial Econometrics.*

1:20 Xinyue Ye*, Bowling Green State University; Michael Carroll, Bowling Green State University, *CARE: Communities At Risk under Economic downturn.*

1:40 Sung-Gheel Jang*, Cleveland State University, *Exploring data from citizen-based bird survey using Web 2.0 mashup and open source GIS tools.*

2:00 Sergio J Rey, Arizona State University; Luc Anselin, Arizona State University; David C Folch*, Arizona State University, *PySAL: Python Spatial Analysis Library 2.0.*

1442. Quantitative Approaches to Hazards and Vulnerability (Sponsored by Hazards Specialty Group)

Room: 211 - Washington State Convention Center, Level 2
(Paper Session)

ORGANIZER(S): Mathew Schmidlein, California State University, Sacramento

CHAIR(S): Mathew Schmidlein, California State University, Sacramento

12:40 Gary Monitz*, East Carolina University, *Using Vulnerability and Planning to Measure Sustainability in Coastal North Carolina.*

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- 1:00** Dan Morath*, Hazards and Vulnerability Research Institute, University of South Carolina, Department of Geography, *Social Vulnerability and Public Health: Developing a Metric for Medical Emergency Management in Florida.*
- 1:20** Caglar Koylu*, University of South Carolina; Christopher T. Emrich, Dr, University of South Carolina; Susan L. Cutter, Dr, University of South Carolina, *A Spatial Knowledge Discovery Approach to Analyzing Regional Variability of Security Threats in the United States.*
- 1:40** Kevin Ash*, University of South Carolina; Jennifer Webb, University of South Carolina; Christopher Emrich, University of South Carolina; Susan Cutter, University of South Carolina, *Geographic Variability in the Direct Economic Impacts of Natural Hazards in the United States.*
- 2:00** Naomi Watsala Lazarus, PhD Student*, University of Connecticut, *Skimming the Surface: A Preliminary Assessment of Social Vulnerability in Selected Counties affected by the Deepwater Horizon Oil Spill.*
- 1443. Air traffic and air networks (Sponsored by Transportation Geography Specialty Group)**
Room: 212 - Washington State Convention Center, Level 2 (Paper Session)
 ORGANIZER(S): Julie Cidell, University of Illinois
 CHAIR(S): Bhuiyan Monwar Alam, University of Toledo
12:40 Bhuiyan Monwar Alam*, University of Toledo, *Air Travel Demand and Airport Level of Service: Evidence from Some Regional Airports in the Mid-West.*
1:00 Daniel Seidenglanz*, Masarykova univerzita, *Changes of air transport networks in Central Europe after 1990.*
1:20 Yu Xiao*, Institute of Remote Sensing and Geographical Information Systems, Peking University, Beijing, China; Fahui Wang, Department of Geography and Anthropology, Louisiana State University, Baton Rouge, LA; Jiaoe Wang, Institute of Geographic Sciences and Natural Resources Research, Chinese Academy of Sciences, Beijing, China; Yu Liu, Institute of Remote Sensing and Geographical Information Systems, Peking University, Beijing, China, *Changes of city attractions in China's air passenger transport over last decade.*
1:40 Matt Paskus*, Western Washington University - Huxley College, *Understanding the Dynamic Effects of Flight Patterns On Land Use.*
- 1444. Challenges for the Agricultural Sector in Africa**
Room: 213 - Washington State Convention Center, Level 2 (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Nohemi Voglozin, Geography and Environmental Systems / University of Maryland, Baltimore County
12:40 Renee Bullock*, University of Florida, *Market Impacts on Land Use in the East Usambaras, Tanzania.*
1:00 Mohamed Babiker Ibrahim*, Hunter College-CUNY, *Modernization of Traditional Agriculture in the Sudan.*
1:20 J.H. Leaman, Ph.D*, Villanova University, *New Forms of Colonialism: Land Leases in Ethiopia.*
1:40 Nohemi Voglozin, Ms*, Geography and Environmental Systems / University of Maryland, Baltimore County; Laurajean R. Lewis, PhD, Geography and Environmental Systems / University of Maryland, Baltimore County, *In-situ management of rice varieties at the farm, village, and regional scale in Benin, West Africa.*
2:00 Hermen Smit*, UNESCO-IHE Institute for Water Education, *Networked understandings of persistent soil erosion: an application of integrated socio-biophysical network analysis in the Ethiopian highlands.*
- 1445. Tactics of Dispossession: Extraction, Accumulation, Control I (Sponsored by Cultural and Political Ecology Specialty Group, Energy and Environment Specialty Group)**
Room: 214 - Washington State Convention Center, Level 2 (Paper Session)
 ORGANIZER(S): Matthew Himley, Illinois State University; Tomas Frederiksen, University of Toronto
 CHAIR(S): Tomas Frederiksen, University of Toronto
12:40 Nga Dao*, York University, *Dam development in Vietnam - Dispossession by accumulation for socialist construction /neoliberalism.*
1:00 Miles Kenney-Lazar*, Clark University, *Contested land: spaces of resource-led development in Laos.*
1:20 Keith Barney, Doctoral Candidate*, Department of Geography, York University, *Arc-Light Eucalypts: Large Land Acquisitions and Spectacles of 'Sustainable Dispossession' Along the Ho Chi Minh Trail Zone of Southern Laos.*
1:40 Brent Z Kaup*, College of William & Mary, *Elite Transitions and Spatialities of Power in Bolivia's Backlash Against Neoliberalism.*
 Discussant(s): Matthew Huber, Syracuse University
- 1446. Geographies of Global Health Care: From Spaces of Exception to Enclaves of Individuation, Experimentation and Exploitation**
Room: 2A - Washington State Convention Center, Level 2 (Paper Session)
 ORGANIZER(S): Matthew Sparke, University Of Washington; Meghann Elizabeth Ormond, Wageningen University
 CHAIR(S): Margaret W. Walton-Roberts, Wilfrid Laurier University
12:40 Patricia J Lopez*, University of Washington, *Health clinic enclaves: Micro-territorializing global health.*
1:00 Meghann Ormond, PhD*, Socio-Spatial Analysis Group, Wageningen University; Matthew Sothern, PhD, School of Geography and Geosciences, University of St Andrews, *Medical travel guidebooks and the production of landscapes of care.*
1:20 Parvati Raghuram*, The Open University, *Assembling around the ageing body: working the care/cure, global/ local distinctions.*
1:40 Matthew Sparke*, University Of Washington, *The Geography of Global Health Targets and the Enclaving of Aid and Research.*
2:00 Todd Faubion*, University of Washington, *Global politics collides with local knowledge: The fractured 'scene' of HIV/AIDS care in South Africa.*
- 1448. Topology in Geographical Theory and Method**
Room: Cirrus Ballroom - Sheraton Hotel, Pike Tower, Thirty Fifth Floor (Paper Session)
 ORGANIZER(S): Rob Shields, University of Alberta
 CHAIR(S): Rob Shields, University of Alberta
12:40 Rob Shields*, University of Alberta, *Topology and Urban Theory.*
1:00 Jinlong Yang*, Pennsylvania State University; Alexander Klippel, Dr., Pennsylvania State University; Rui Li, PhD, Pennsylvania State University, *Assessing the Cognitive Adequacy of Topological Calculi - Scaling vs. Translation.*
1:20 Katharine Hall*, University of Minnesota, *Topological Thought and Concepts of Space.*
1:40 Chris Brennan-Horley*, University of Wollongong; Chris Gibson, Professor, University of Wollongong; Andrew Warren, University of Wollongong, *Links and folds: Topology, creativity and cultural mapping.*

TUESDAY, APRIL 12 • 12:40 PM - 2:20 PM • 1400**1450. Local and global geographies of entrepreneurship and innovation: Structures, processes and geographical contexts I**

Room: *Boren - Sheraton Hotel, Union Tower, Fourth Floor*
(Paper Session)

ORGANIZER(S): Grete Rusten, University of Bergen; Ragnhild Overa, University of Bergen

CHAIR(S): Grete Rusten, University of Bergen

Introducer: Grete Rusten

12:50 Jane S. Pollard*, CURDS, Newcastle University; Simon Down, Centre for Knowledge, Innovation, Technology and Enterprise, Newcastle University; Paul Richter, Centre for Knowledge, Innovation, Technology and Enterprise, Newcastle University; Sarah Walsh, Centre for Knowledge, Innovation, Technology and Enterprise, Newcastle University, *Regulating Entrepreneurial Behaviour: Context, Routines and Managerial Practices*.

1:10 Benjamin Spigel*, University of Toronto, *Entrepreneurship and Regional Culture: A Bourdieusian Perspective*.

1:30 Markus Steen*, Norwegian University of Science and Technology; Gard Hopsdal Hansen, Phd, Norwegian University of Science and Technology, *Entrepreneurial activity and industrial transformation in the North Sea: the case of the emerging offshore wind power industry*.

1:50 Ragnhild Overa*, University of Bergen, *Motivations, challenges and performances of local entrepreneurship in the emergent oil city Takoradi, Ghana*.

1451. Contemporary Perspectives on Labour Geography

Room: *Columbia - Sheraton Hotel, Union Tower, Fourth Floor*
(Paper Session)

ORGANIZER(S): Brendan Sweeney, Queen's University

CHAIR(S): Brendan Sweeney, Queen's University

12:40 Brendan Sweeney*, Queen's University, *Scales of Bargaining and Ontario's Public Education Sector*.

1:00 Michael Ekers*, University of Toronto, *One is Not Born Unemployed: The Social Production of Unemployment in Depression-Era Vancouver*.

1:20 Suzanne E. Mills*, University of Saskatchewan, *Regional identities and Aboriginal rights: worker and union perceptions of space and work at Voisey's Bay*.

1:40 Sally Elabasery*, York University, *'Stir It Up': Union Organizing Strategies in the Foodservice Contracting Sector; A Case Study*.

1452. Critical Perspectives on Performativity: 1. Performing Economic Geographies (Sponsored by Economic Geography Specialty Group)

Room: *Jefferson - Sheraton Hotel, Union Tower, Fourth Floor*
(Paper Session)

ORGANIZER(S): David Lansing, University of Maryland Baltimore County Geography and Environmental Systems; Kevin Gould, Concordia University

CHAIR(S): Kevin Gould, Concordia University

12:40 Andrew Jones*, Birkbeck, University Of London, *Spatial Performances of Power in Global Finance: The Case of 'Sovereign Debt Crises' and 'Currency Wars'*.

1:00 Melanie Feakins, Dr*, UC Berkeley, *Profits and Crazy Profits*.

1:20 Eduardo Neve-Jimenez*, Durham University, *Performing Globalisation? An encounter with a logistics firm..*

1:40 Jim Delaney*, University of Toronto, *Performing supply chains: market-based poverty reduction and managerial rationalities in Vietnam's bamboo sector*.

1454. Geospatial Analysis of Environmental Health Justice I (Sponsored by Geographic Information Science and Systems Specialty Group, Health and Medical Geography Specialty Group)

Room: *Pike - Sheraton Hotel, Union Tower, Fourth Floor*
(Paper Session)

ORGANIZER(S): Juliana Maantay, Lehman College/CUNY; Sara McLafferty, University of Illinois

CHAIR(S): Sara McLafferty, University of Illinois

12:40 Elisabeth Dowling Root*, University of Colorado, Boulder; Michael E Emch, University of North Carolina at Chapel Hill, *Regional Environmental Patterns of Diarrheal Disease in Bangladesh*.

1:00 Andrew Maroko, PhD*, City University of New York; Juliana Maantay, PhD, MUP, City University of New York; Kristen Grady, City University of New York, *Using Geovisualization and Geospatial Analysis to Explore Respiratory Disease and Environmental Health Justice in New York City*.

1:20 Sue C. Grady*, Michigan State University, *Clusters of Long and Short Infant Survival in Michigan*.

1:40 Junfeng Wang*, University of Illinois Springfield, *Estimating Health Benefits of Brownfield Remediation in Charlotte, NC: A GIS Approach*.

2:00 Yolanda Jane McDonald*, The University of Texas at El Paso, *Social determinants of health risk due to lack of plumbing: The case of El Paso-Ciudad Juárez*.

1456. Built Environment and Travel Behavior: Measurement, Behavioral Processes and Policy Evaluation (1)

Room: *Seneca - Sheraton Hotel, Union Tower, Fourth Floor*
(Paper Session)

ORGANIZER(S): Tingting Wang; Cynthia Chen

CHAIR(S): Cynthia Chen

12:40 Randy Bui, M.Sc. Candidate*, University of Toronto Mississauga; Ron Buliung, Assistant Professor, University of Toronto Mississauga; Ryan Lanyon, Team Lead, Smart Commute and TDM, Metrolinx, *Understanding Built Environment Influences on the Carpool Formation and Use Process*.

12:55 Xiaoguang Wang*, Central Michigan University; Joe Grengs, University of Michigan; Lidia Kostyniuk, University of Michigan Transportation Research Institute, *How the Built Environment along Commuting Routes Influences Fuel Consumption and Emissions*.

1:10 Tingting Wang*, University of Washington; Cynthia Chen, University of Washington, *Differentiating between the Choice from SOV to Carpool and the Choice from Carpool to SOV Using the Puget Sound Panel Dataset*.

1:25 Susan Handy, University of California, Davis; Kristin Lovejoy, University of California, Davis; Patricia Mokhtarian, University of California, Davis; Deborah Salo, University of California, Davis; Gian-Claudia Sciara*, Institute of Transportation Studies, *Measuring Impacts of Local Actions On Travel Behavior and Sustainable Transportation Outcomes*.

1:40 Cynthia Chen, University of Washington; Haiyun Lin*, City College of New York, *Theory-based Built Environment Effect on Mode Choice Behavior*.

TUESDAY, APRIL 12 • 12:40 PM - 2:20 PM • 1400

- 1458. Health Challenges in South Asia: Exploring Trends and Possibilities (Sponsored by Regional Development and Planning Specialty Group, Asian Geography Specialty Group, Health and Medical Geography Specialty Group)**
Room: *University - Sheraton Hotel, Union Tower, Fourth Floor*
(Paper Session)
ORGANIZER(S): Vandana Wadhwa, Boston University
CHAIR(S): Vandana Wadhwa, Boston University
12:40 Sohini Dutt*, Kansas State University, *Factors influencing willingness to comply to HIV/AIDS prevention measures by female college students in Kolkata, India.*
1:00 Jacqueline P Hellen*, Boston University, *Evaluating the Impact of the National Rural Health Mission: Case Study, Jodhpur, Rajasthan.*
1:20 Papia Raj, Dr.*, Central University of Bihar, *Analysing the health problems of call centre employees in New Delhi, India.*
1:40 Vandana Wadhwa, PhD*, Boston University, *The Rising Threat of Pf Malaria in South Asia: Trends and Possible Causes.*
Discussant(s): Bimal Kanti Paul, Kansas State University
- 1459. Land Use / Land Cover Change: Tools and Narratives**
Room: *Virginia - Sheraton Hotel, Union Tower, Fourth Floor*
(Paper Session)
ORGANIZER(S): Program Committee
CHAIR(S): Eldin Castellanos
12:40 Jennifer Gebelein, Research Professor*, Florida International University; Svein Mathiesen, UArctic EALÁT Institute; Philip Burgess, International Center for Reindeer Husbandry; Nancy Maynard, Ph.D., NASA, Senior Research Scientist, NASA Tribal College & University Project Manager, *Changing landscapes changing people: remote sensing analysis of land use impacts on reindeer herding in Norway.*
1:00 Miguel L Villarreal*, University of Arizona; Laura M Norman, USGS; Diane E Boyer, USGS; Robert H Webb, USGS; Charles van Riper III, USGS, *Development of a landscape change narrative for a semi-arid watershed using historical repeat ground photography and multi-temporal land cover data.*
1:20 Patrick Danielson*, Stinger Ghaffarian Technologies (SGT), Contractor to USGS EROS; Limin Yang, Visiting Scientist, U.S. Geological Survey (USGS) EROS; Suming Jin, ASRC Research and Technology Solutions, Contractor to USGS EROS; Collin Homer, U.S. Geological Survey (USGS), *Development of a New Protocol for Mapping Crop and Hay/Pasture Areas for the National Land Cover Database 2011 (NLCD2011).*
1:40 Michelle A. Bouchard*, ARTS, USGS/EROS; Terry Sohl, U.S. Geological Survey; Ryan Reker, ARTS; Kristi Saylor, U.S. Geological Survey, *Backcasting land cover/land use change in the High Plains; creating land cover maps from 1949-2001..*
2:00 Eldin Castellanos*, Catholic Relief Services / Global Water Initiative, *Use of participatory orthophoto mapping as a tool for encouraging environmental behavioral change.*
- 1461. Forest Fire Hazards**
Room: *Ballard - Sheraton Hotel, Pike Tower, Third Floor*
(Paper Session)
ORGANIZER(S): Program Committee
CHAIR(S): Claudia Monzon, University of Florida
12:40 John T Abatzoglou, PhD*, Department of Geography, University of Idaho; Crystal A Kolden, PhD, Department of Geography, University of Idaho; Timothy J Brown, PhD, Desert Research Institute, *Observed Increases in Fire Danger across the Western United States.*
- 1:00** Bedoor Adel Mohammad*, *Validating Measures of Fire Severity in the Santa Monica Mountains Using Remote Sensing and GIS.*
1:20 Samantha Roth*, California State University, Long Beach, *Wildfire Hazard Perception and Risk Communication in the San Bernardino National Forest.*
1:40 Claudia Monzon-Alvarado*, University of Florida; Sergio Cortina-Villar, El Colegio de la Frontera Sur, Mexico; Birgit Schmook, El Colegio de la Frontera Sur, Mexico; Alejandro Flamenco, El Colegio de la Frontera Sur, Mexico; Luis Arriola, El Colegio de la Frontera Sur, Mexico, *Land use decision-making after large scale fires in tropical forests: analyzing fires as drivers of deforestation.*
- 1464. Environmental Change and Human Adaptation on the Tibetan Plateau - I: Paleo Glaciations (Sponsored by China Specialty Group, Paleoenvironmental Change Specialty Group, Geomorphology Specialty Group)**
Room: *Fremont - Sheraton Hotel, Union Tower, Third Floor*
(Paper Session)
ORGANIZER(S): Yingkui Li, University of Tennessee; Chaolu Yi, Institute of Tibetan Plateau Research, Chinese Academy of Sciences
CHAIR(S): Yingkui Li, University of Tennessee
12:40 Jakob Heyman*, Department of Physical Geography and Quaternary Geology, Stockholm University; Department of Earth and Atmospheric Sciences, Purdue University; Arjen P. Stroeven, Department of Physical Geography and Quaternary Geology, Stockholm University; Alun Hubbard, Institute of Geography and Earth Sciences, Aberystwyth University; Jon Harbor, Department of Earth and Atmospheric Sciences, Purdue University; Marc W. Caffee, Department of Physics, PRIME Lab, Purdue University; Clas Hättestrand, Department of Physical Geography and Quaternary Geology, Stockholm University; Helena Alexanderson, Department of Earth and Ecosystem Sciences, Lund University; Yingkui Li, Department of Geography, University of Tennessee; Liping Zhou, Department of Geography, Peking University; Ping Fu, Department of Physical Geography and Quaternary Geology, Stockholm University; Department of Earth and Atmospheric Sciences, Purdue University; Björn Morén, Department of Physical Geography and Quaternary Geology, Stockholm University, *Restricted glaciations on the Tibetan Plateau and palaeoclimatic implications.*
1:00 Ping Fu*, Purdue University; Jon Harbor, Purdue University; Arjen Stroeven, Stockholm University; Clas Hättestrand, Stockholm University; Jakob Heyman, Stockholm University; Liping Zhou, Peking University; Marc W Caffee, Purdue University, *Glacial geomorphology of the Haizishan area, SE Tibetan Plateau.*
1:20 Bo Cao*, *Glacier variation from 1972 to 2007 in Western Lenglongling, northeastern Tibetan Plateau.*
1:40 Chaolu Yi*, Institute of Tibetan Plateau Research, Chinese Academy of Sciences, *Major glacial hydrological event and Inland water cycle in Puruogangri, the largest ice field in Tibet.*

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- 1465. China: Industrial Geography I: Industrial Restructuring (Sponsored by China Specialty Group)**
Room: Greenwood - Sheraton Hotel, Union Tower, Third Floor (Paper Session)
 ORGANIZER(S): Piper Gaubatz, University Of Massachusetts
 CHAIR(S): Piper Gaubatz, University Of Massachusetts
12:40 Chiung-Wen Chang*, National Dong Hwa University, *A shifting state-business nexus: Geographical investigation into removal of Taiwan's semiconductor manufacturing to China.*
1:00 Shengjun Zhu*, UNC, Chapel Hill, *Managing Upgrading/Downgrading in Textile and Apparel Industry: State, Firm and Labor in China.*
1:20 Boyang Gao*, IGSNRR, Chinese Academy of Sciences; Weidong Liu, IGSNRR, Chinese Academy of Sciences, *Cotton market and the geographies of textile industry, the case of Xinjiang, China.*
- 1466. Urban Public Space (Sponsored by Urban Geography Specialty Group)**
Room: Issaquah A - Sheraton Hotel, Union Tower, Third Floor (Paper Session)
 ORGANIZER(S): Daniel Trudeau, Macalester College
 CHAIR(S): Paul R Watts, Louisiana State University
12:40 Mark A. Hummer*, University of Kansas, *Salt Lake City Urban Cultures: The Main Street Plaza and Beyond.*
1:00 Ronald Davidson*, California State University, Northridge, *Parks, Malls and "The Art of War".*
1:20 Eva Tessa Udvarhelyi*, Environmental Psychology, Graduate Center of the City University of New York, *Giuliani time in Budapest. The consolidation of anti-homeless discourses and practices in Hungary.*
1:40 Neslihan Ataturk*, University of Wisconsin-Madison, *Contested Geographies of Women in Turkey: Power, Place and Resistance in the Public Space.*
2:00 Paul R Watts*, Louisiana State University, *Mobile democracy: Waking and public protests in Washington, DC.*
- 1467. Discourses and Practices of Urban Water Provision (Sponsored by Urban Geography Specialty Group)**
Room: Issaquah B - Sheraton Hotel, Union Tower, Third Floor (Paper Session)
 ORGANIZER(S): Julie Cidell, University of Illinois
 CHAIR(S): Fiona Nash, Royal Holloway, University of London
12:40 Eric Reiff*, University of Colorado, *The Global-Local Discourse of Water Commodification.*
1:00 Fiona J Nash*, Royal Holloway, University of London, *Participation As Passive Revolution: Durban's Free Basic Water Extension.*
1:20 Synne Movik, Dr. *, Norwegian University of Life Sciences, *Licence to Control? An examination of licence-based systems of water distribution and control.*
1:40 Fiona P Miller, B.A. (Hons), Ph.D. *, The Department of Resource Management and Geography, the University of Melbourne; Charlotte Catmur, Department of Resource Management and Geography, the University of Melbourne; Annie Bolitho, Melbourne Sustainable Society Institute, the University of Melbourne; Natalie Jamieson, Office of Environmental Programs, the University of Melbourne; Anna Hurlimann, Department of Urban Planning, the University of Melbourne; Kathryn Bowen, National Centre for Epidemiology and Population Health, the Australian National University, and the Department of Resource Management and Geography, the University of Melbourne, *Revealing Hidden Waters: a political ecology of water in a stressed city.*
- 1468. Geographies of Continuity (Sponsored by Urban Geography Specialty Group)**
Room: Kirkland - Sheraton Hotel, Union Tower, Third Floor (Paper Session)
 ORGANIZER(S): Andre Sorensen, University of Toronto
 CHAIR(S): Andre Sorensen, University of Toronto
12:40 Andre Sorensen*, University of Toronto, *Urban Path-dependence and Positive Feedback Effects: Development Control Regime and Development Patterns in the Greater Toronto Area.*
1:00 Roman Matousek*, Charles University in Prague; Ludek Sykora, Charles University in Prague, *Social housing and segregation in Czechia: shaping new path dependency.*
1:20 Ludek Sykora*, Charles University in Prague, *New lock-ins and path-dependencies in post-communist urban development: urban sprawl and residential segregation.*
1:40 Jean-Paul Addie*, York University, *Comparing continuities and ruptures: Institutions, infrastructures and the politicization of urban transportation.*
- 1469. Nightscapes: Geographies of Urban Nights I (Sponsored by Urban Geography Specialty Group)**
Room: Leschi - Sheraton Hotel, Union Tower, Third Floor (Paper Session)
 ORGANIZER(S): Tim Schwanen, University of Oxford; Irina Van Aalst, Utrecht University
 CHAIR(S): Tim Schwanen, University of Oxford
12:40 Tim Edensor*, Manchester Metropolitan University, *Darkness and Urban Space.*
1:00 Anne Beamish*, MIT School of Architecture and Planning, *Boston at Night: Development of an Urban Nocturnal Landscape.*
1:20 Yolande E. Pottie-Sherman*, University of British Columbia, *Nighttime Leisure Culture and Social Engagement in Plural Societies: The Case of Vancouver's Chinese Night Markets.*
1:40 Anne Vogelpohl*, TU Berlin, *Vibrant, Noisy, Selling? Producing Contradictions in 24/7-Neighborhoods.*
2:00 Jerome Tadie*, UMR PRODIG, Institut De Recherche Pour Le Developpement (I.R.D.), *Night and the City in Southeast Asian Metropolises.*
- 1470. Who Is In Control of Your Life? Slavery, Mortgage, and Student Housing**
Room: Medina - Sheraton Hotel, Union Tower, Third Floor (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Audra El Vilaly, The University of Arizona
12:40 Mark de Socio*, Salisbury University, *Scale and the foreclosure crisis: Community versus non-local residential bank loan defaults in Maryland's Lower Eastern Shore.*
1:00 Wonseok Park*, Daegu University, *Characteristics of the Housing Location Preferences between Korea and US University Students.*
1:20 Solange Isabel Munoz, PhD Candidate*, University of Texas - Austin, *Squatters and the right to the city: Casas Tomadas in Buenos Aires, Argentina.*
1:40 Herve E Thery*, CNRS/USP; Neli A de Mello-Thery, USP/EACH; Eduardo P Girardi, UFMT; Julio Hato, USP, *Slave work's geography in Brazil.*
2:00 Audra El Vilaly*, The University of Arizona, *Slavery as common sense: rationalized oppression and the Haratine liberation movement in Mauritania.*

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- 1471. From the Earth to Mars: Spatial Analysis and Modeling for the Geo-sciences**
Room: Metropolitan Ballroom A - Sheraton Hotel, Third Floor
(Paper Session)
ORGANIZER(S): Program Committee
CHAIR(S): Patrick Kennelly, CW Post Campus / Long Island University
12:40 IL WON JUNG*, Portland State University; Heejun Chang, Portland State University, *Streamflow forecasting using Space-Time Analysis of Regional System (STARS)*.
1:00 Christopher L. Coffey*, Appalachian State University; Jeffrey D. Colby, PhD, Appalachian State University, *Optimal Drainage Pattern Delineation within a Terrain Data Model Architecture: Effects of Hydrographic Source Data, DEM Resolution, and Interpolation Routines*.
1:20 Lisa Emili*, Penn State University; Richard P Greene, Northern Illinois University, *Development of a GIS model to target critical non-point source pollution areas*.
1:40 Monika Mihir*, Northeastern Illinois University, *Comparing the alluvial fans of Mars and Earth*.
2:00 Patrick Kennelly*, CW Post Campus of Long Island University; James Stewart, School of Computing, Queens University, *Hill-shadings from Sky Illumination Models*.
- 1475. Relational geographies: taking stock 1**
Room: Wallingford - Sheraton Hotel, Union Tower, Third Floor
(Paper Session)
ORGANIZER(S): Jamie Lorimer, Kings College London; Kathryn Yusoff, University of Exeter
CHAIR(S): Keith Woodward, University of Wisconsin-Madison
12:40 Kathryn Yusoff, Dr*, University of Exeter, *Economies of loss: biodiversity, biotic subjects and aesthetic politics*.
1:00 Rebecca Ellis, Dr*, Lancaster University, *Life Forms and Forms of Life: breeding cryptic species and converting parataxonomists*.
1:20 Jamie Lorimer*, Kings College London, *Conducting wildness: biodiversities without recourse to Nature*.
1:40 Myra J. Hird, D.Phil.*, Queen's University, *Volatile Bodies, Volatile Cosmos: Notes on Radical Asymmetry*.
- 1477. City! Progressive Urban Praxis Now**
Room: Cedar Room - Sheraton Hotel, Second Floor (Panel Session)
ORGANIZER(S): Sharon Meagher, The University of Scranton
CHAIR(S): Sharon Meagher, The University of Scranton
Panelists: Bjoern Surborg, University of British Columbia; Sharon Meagher, The University of Scranton; Warren Magnusson, Department of Political Science, University of Victoria; Bob Catterall
- 1478. Historical GIS**
Room: Douglas Room - Sheraton Hotel, Second Floor (Paper Session)
ORGANIZER(S): Program Committee
CHAIR(S): Janet H. Gritzner, South Dakota State University
12:40 Sarah E. Hinman*, Idaho State University, *Infant Mortality in 1880 Baltimore, Maryland: Exploring Spatial Distributions, Seasonality, and Environmental Conditions*.
1:00 Lisa B Randle*, University of South Carolina, *Limerick Plantation: Evaluating an Historic Rice Plantation through Land Use Analysis*.
1:20 Mary Kelly, Dr*, NUI Maynooth, *Mapping Famine Relief in Ireland: Using Archival Sources in Historical GIS*.
1:40 Janet H. Gritzner*, South Dakota State University, *Little Towns on the Prairie: Ready, Get Set, Go*.
- 1479. Mapping Practices and User Generated Content**
Room: Grand Ballroom A - Sheraton Hotel, Second Floor
(Paper Session)
ORGANIZER(S): Program Committee
CHAIR(S): Jason Young
12:40 David A Parr*, Texas State University, San Marcos, *Types of Volunteer Geographic Information Contributors and Their Accuracy*.
1:00 Matt Rice*, George Mason University; William C Hammill, George Mason University; Sara Schwarz, George Mason University, *Integrating User-contributed Content in an Accessibility Mapping System*.
1:20 Carson J. Q. Farmer*, National Centre for Geocomputation, National University of Ireland Maynooth, *Why geographers need to take another look at spatial behaviour*.
1:40 Jeremy W Aber*, Kansas State University, *The Effect of Spatial Training and Map Exposure on Spatial Microgenesis*.
2:00 Jason C Young*, Topographic Engineering Center, *From PGIS to UGC: Mapping Virtual Positionalities and Political Power*.
- 1480. Spatial Data and Decision Support**
Room: Grand Ballroom B - Sheraton Hotel, Second Floor
(Paper Session)
ORGANIZER(S): Program Committee
CHAIR(S): Ann Hockey, Anglia Ruskin University
12:40 Muning Wang*, PhD student, School of Forest Resource, University of Washington, *Key factors to facilitate communication process in PPGIS: An empirical study in Snohomish County Park Management*.
1:00 Jorge V. Ruiz, Ph. D.*, Universidad Pedagógica Y Tecnológica De Colombia; Mauricio Rincón, Ph. D., Universidad del Valle, Cali, Colombia; German Amezcuita, M. Sc., Universidad Pedagógica y Tecnológica de Colombia UPTC, *RENATA: enabling the exchange of geographic information as a support to local and regional research in Boyaca, Colombia*.
1:20 Artemis K. Skarlatidou*, University College London; Tao Cheng, UCL; Muki Haklay, UCL; Adel Bolbol, UCL, *Investigating non-experts' trust perceptions in Spatial Decision Support Systems for public use*.
1:40 Ann E Hockey, Senior Lecturer*, Anglia Ruskin University, *GIS Professionals in Local Government: The Challenges of Innovative Practices, Expert Knowledge and Institutional Realities*.
- 1481. Beyond School: Geographies of Informal and Alternative Learning Practices I**
Room: Grand Ballroom C - Sheraton Hotel, Second Floor
(Paper Session)
ORGANIZER(S): Sarah Mills, Aberystwyth University; Peter Kraftl, University of Leicester
CHAIR(S): Sarah Mills, Aberystwyth University
12:40 Louise Holt*, Loughborough University; Jennifer Lea, PhD, Loughborough University; Sophie Bowlby, PhD, University of Reading, *Alternative Spaces of Education for Young People with Socio-Emotional Differences in Mainstream Schools: Sites of Alternative Social Expression and/or Extending the Reach of Normalisation?*.
1:00 Stephen Sadlier*, University of Massachusetts, *(Re) Imagining Alternative Education in Oaxaca: "Si podemos hacer protestas, también podemos hacer propuestas pedagógicas" (if we can make protests, we can also make pedagogical projects)*.

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1:20 Eli Meyerhoff*, University of Minnesota; David Boehnke, Experimental College of the Twin Cities, *Toward a University of the Common: The Experimental College of the Twin Cities.*

1:40 A.Clotilde Houchon, Ph.D. Candidate*, University of Utah, *Disguised as Dick Tracy: Comics, Safe House, and Transmigrant Youth.*

2:00 Peter Kraftl*, University of Leicester, *Home schooling: learning spaces beyond the geographies of education?.*

1482. Whither Europe

Room: Grand Ballroom D - Sheraton Hotel, Second Floor (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Jennifer Watts

12:40 William H Berentsen, Ph.D.*, University of Connecticut, *Europe's Changing Geographic Trade Patterns during the Post-Soviet Era.*

1:00 Kenneth Johnson, M.R.P., PH.D.*, SUNY-Oneonta, *Will the Current Economic Crisis Lead to Restructuring the European Union.*

1:20 Kristi Grisakov*, Aalto University, *What's with the Link? Connecting Cities and Infrastructure.*

1:40 Søren Kerndrup*, Geography, Aalborg University; Kristian Hegner Reinau, Geography, Aalborg University; Phil Cooke, Cardiff University & Aalborg University, *Clusters, Platforms and Transition Regions..*

2:00 Jennifer Watts*, University of Manchester, *National Varieties of Temporary Staffing in Europe.*

1483. Population: Aging and Ethnicity

Room: Juniper Room - Sheraton Hotel, Second Floor (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Jess C. Porter, University of Arkansas at Little Rock

12:40 Jitka Rychtarikova*, Charles University in Prague, *Does living longer and healthier lives justify later retirement age?.*

1:00 Odeibler Guidugli, PhD*, UNESP, *Contradictions And Challenges Of The Spatialization Of Urban Aging: The Case Of Rio Claro - SP.*

1:20 Robert R. Klein, MA*, The Ohio State University, *Geographers on aging: a bibliometric analysis of past and present trends in the literature.*

1:40 John A Kirk, University of Arkansas at Little Rock; Jess C Porter*, University of Arkansas at Little Rock, *The Suburban South and the Three 'R's': Race, Renewal and Resegregation.*

1486. Making and Challenging State Spaces in Eurasia

Room: Willow A - Sheraton Hotel, Second Floor (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Sara L. Jackson, York University

12:40 Daniel E. Esser, Ph.D.*, American University, *From National Hub to International Hubris: Kabul's Overdetermination and the Politics of Scale in Afghanistan.*

1:00 Doug Foster, MA*, University of Oregon, *The Lingering Strength of Ethno-regionalism and Failure of Tajik State Construction.*

1:20 Morgan Hockema*, HSU geography department, *Gross National Happiness in Bhutan.*

1:40 Kundan Kumar*, University of Toronto, *The Sacred Mountain: Confronting Global Capital at Niyamgiri.*

2:00 Sara L. Jackson*, York University, *Mining Imagined Territory: Cultural Appropriation in Mongolia's Gold Rush.*

1487. Natural Resource Management in North America

Room: Willow B - Sheraton Hotel, Second Floor (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Lisa Seales, University of Florida

12:40 Eric Compas*, University of Wisconsin-Whitewater, *Practicing ecosystem management since the Vision: Yellowstone National Park and external threats from private lands.*

1:00 Anne I Santa Maria*, GVSU, *Assessing Human Impacts on Campsites: A Critique of U.S. Forest Service Methods.*

1:20 Jessica Fitterer, BSc*, University of Victoria, Department of Geography; Trisalyn Nelson, PhD, University of Victoria, Department of Geography; Michael Wulder, PhD, Pacific Forestry Centre, Canadian Forest Service, Natural Resources Canada; Nicholas Coops, PhD, University of British Columbia, Department of Forest Resources Management, *Broad-Scale Monitoring of British Columbia's Biodiversity.*

1:40 Kathleen Ward*, National Forests & Grasslands in Texas, *Forest Productivity Determined through Use of Geospatial Tools and an Integrated Moisture Index in the National Forests and Grasslands in Texas.*

2:00 Lisa Seales*, University of Florida, *A Cognitive Mapping Approach to Elicit Stakeholder Perspectives and Understand the Role of Systems Thinking in Water Management Groups in Oregon.*

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- 1503. Critical Perspectives on Software and Space (Sponsored by Geographic Information Science and Systems Specialty Group, Urban Geography Specialty Group, Communication Geography Specialty Group)**
Room: 603 - Washington State Convention Center, Level 6
 (Panel Session)
 ORGANIZER(S): Ryan Burns, University of Washington; Josef Eckert, University of Washington
 CHAIR(S): Sarah Elwood, University of Washington
 Introducer: Sarah Elwood
 Discussant(s): Matthew Zook, University of Kentucky; Matthew W. Wilson, Ball State University
 Panelists: Mark Graham, University of Oxford; Wendy Chun, Brown University; Robert Kitchin, National University of Ireland
- 1504. Human Impacts on Watershed Processes II - Fluvial Geomorphic Processes (Sponsored by Geomorphology Specialty Group, Water Resources Specialty Group, Mountain Geography Specialty Group)**
Room: 604 - Washington State Convention Center, Level 6
 (Paper Session)
 ORGANIZER(S): Shixiong Hu, Dept. of Geography, East Stroudsburg University of PA; Katie Price, US EPA
 CHAIR(S): Chansheng He, Western Michigan University
2:40 Francis Magilligan*, Dartmouth College; Carl E. Renshaw, Dartmouth College; Brian Dade, Dartmouth College, *Temporal and spatial scales of geomorphic adjustments to reduced competency following flow regulation in bedload dominated systems.*
3:00 Suzanne C. Walther*, University of Oregon; W. Andrew Marcus, University of Oregon, *Documenting the distribution and geomorphic effects of small dams (30 ft. or less) in Oregon: findings and methodological limitations.*
3:20 Erik Schiefer*, Northern Arizona University; Richard Immell, Northern Arizona University, *Multiple Land-use Impacts on Lake Sedimentation in the Central Rocky Mountain Foothills, Alberta, Canada.*
3:40 Brian D. Collins, PhD*, University of Washington; Amanda Henck Schmidt, PhD, Oberlin College; Stevan Harrell, PhD, University of Washington, *Soil Erosion, Fluvial Processes, and Land Use History in a Mountainous Catchment in Southwest Sichuan Province, China.*
4:00 Bartosz Grudzinski*, Kansas State University; Melinda Daniels, Dr., Kansas State University, *Influence of grazing treatments on stream geomorphology in the Flint Hills, Kansas.*
- 1511. Landscapes out of place? Political ecologies of exurbia 2: Managing environmental impacts (Sponsored by Cultural and Political Ecology Specialty Group, Rural Geography Specialty Group, Human Dimensions of Global Change Specialty Group)**
Room: 611 - Washington State Convention Center, Level 6
 (Paper Session)
 ORGANIZER(S): Laura Taylor, York University; Patrick T. Hurley, Ursinus College
 CHAIR(S): Laura Taylor, York University
2:40 Colleen C Hiner, M.S., PhD Candidate*, UC Davis, *A political ecology of exurban land use change: Competing imaginaries of rural life and divisive outcomes along the rural-urban interface.*
3:00 Paul F. Robbins, University of Arizona; John Jesse Minor*, University of Arizona; Paula Decker, University of Arizona, *Competitive or compatible? Hunting and housing development in Montana.*
- 3:20** Jessica McCallum Breen*, College of Charleston; Patrick T. Hurley, Ph.D, Ursinus College, *Getting to Work: A Political Ecology of Land Use Planning In Western North Carolina.*
3:40 Jesse Abrams*, Department of Forest Ecosystems and Society, Oregon State University, *Contesting the "middle place:" Environmental imaginaries and the gentrified working landscape.*
 Discussant(s): Stephanie Pincetl, University of California
- 1512. Natures of Contention: At the Intersection of Political Ecology and Social Movements: II (Sponsored by Cultural and Political Ecology Specialty Group, Development Geographies Specialty Group)**
Room: 612 - Washington State Convention Center, Level 6
 (Paper Session)
 ORGANIZER(S): Brent McCusker, West Virginia University; Jeremia Njeru, West Virginia University
 CHAIR(S): Brent McCusker, West Virginia University
2:40 Jonathan K. London, Ph.D.*, UC Davis; Katie Bradley, UC Davis Community Development Graduate Group, *From the Body to the Basin and Back Again: Tracing the Contours of an Embodied Environmental Justice.*
3:00 Christine Biermann*, Ohio State University, *A Strangely Familiar Forest: Examining the Movement to Restore the 'American' Chestnut in Appalachia.*
3:20 Ewan Robinson*, University of Illinois at Urbana-Champaign, *Mobilization or co-optation? Decentralized natural resource governance and environmental subjectivities in Kaolack Region, Senegal.*
3:40 Mrill Ingram*, University of Arizona; Raul Lejano, UC-Irvine; Helen Ingram, UC-Irvine, *Telling it Like It Is: The Power of Narrative in Cross-boundary Environmental Collaborations.*
 Discussant(s): Cynthia Simmons, Michigan State University
- 1513. Territoriality, political violence, and armed conflict (Sponsored by Political Geography Specialty Group, Population Specialty Group, Ethics, Justice, and Human Rights Specialty Group)**
Room: 613 - Washington State Convention Center, Level 6
 (Paper Session)
 ORGANIZER(S): Steven Radil, University of Illinois at Urbana-Champaign; Andrew Linke, University of Colorado
 CHAIR(S): Steven Radil, University of Illinois at Urbana-Champaign
2:40 Andrew M Linke*, University of Colorado, *Forced displacement and domicile in Kenya.*
3:00 Steven M. Radil*, University of Illinois at Urbana-Champaign, *Dynamic spatialities of alliances as a response to democracy and war in central Africa.*
3:20 Katharina Abdo*, University of Mainz, *In-Between Israel and Palestine: From Walls, Fences and the Production of Territory.*
3:40 Dylan Brady*, University of Oregon, *Islands in Dispute: Territory and Nationalism in the East China Sea.*
 Discussant(s): John A. Agnew, University of California - Los Angeles

TUESDAY, APRIL 12 • 2:40 PM - 4:20 PM • 1500**1514. Geographies of Youth, Gender and Ethnicity II (Sponsored by Geographic Perspectives on Women Specialty Group, Ethnic Geography Specialty Group)**

Room: 614 - Washington State Convention Center, Level 6
(Paper Session)

ORGANIZER(S): Caitlin O'Neill Gutierrez, UCL

CHAIR(S): Caitlin O'Neill Gutierrez, UCL

2:40 Peter Hopkins*, Newcastle University, UK, *Youthful Sikh masculinities in contemporary Scotland.*

3:00 Jeff May*, University of Toronto, *Young Men of Colour and Experiences of Homelessness in Toronto.*

3:20 Tamsin Barber*, Roehampton University/ Oxford Brookes University, *'Performing Counter-Orientalisms: symbolic and discursive identity strategies among Vietnamese youth in London'.*

1515. Gendered politics (Sponsored by Geographic Perspectives on Women Specialty Group)

Room: 615 - Washington State Convention Center, Level 6
(Paper Session)

ORGANIZER(S): Deborah Thien, California State University, Long Beach

CHAIR(S): Susan Paulson, Lund University

2:40 Jenna Christian*, Penn State University, *Transformations within the women's peace movement in post-war Liberia.*

3:00 Christina Marie Stoltz, AM Dartmouth College*, American University of Central Asia in the Kyrgyz Republic, *The Legacy of "No": Gender-Based Violence Advocacy and Dueling Positionalities in Central Asia.*

3:20 Ekaterina Frolova, MA English Linguistics / MA Gender Studies*, University of Bern, *Negotiating the political space: Women and civil society in post-Soviet Tajikistan.*

3:40 Nuno Marques Costa*, IGOT UL; Margarida Queirós, IGOT UL, *Gender and inclusive public policies, a regional approach from Portuguese experience.*

4:00 Rafael Vaisman, Lund University; Susan Paulson*, Lund University, *Gendered Political Participation in Yucatan Mexico: Dynamics of Councils for Sustainable Rural Development.*

1516. Interpolation and Uncertainty in Small-Area Estimates 2 (Sponsored by Geographic Information Science and Systems Specialty Group, Population Specialty Group, Spatial Analysis and Modeling Specialty Group)

Room: 616 - Washington State Convention Center, Level 6
(Paper Session)

ORGANIZER(S): Barbara Pfeil Buttenfield, University of Colorado, Boulder; Nicholas Nagle, University of Tennessee

CHAIR(S): Barbara Pfeil Buttenfield, University of Colorado, Boulder

2:40 George C. Bentley, M.A.*, University of Connecticut; Robert G. Cromley, Ph.D., University of Connecticut; Carol Atkinson-Palombo, Ph.D., University of Connecticut, *Network Interpolation of Population Values.*

3:00 Fang Qiu*, University of Texas - Dallas; Caiyun Zhang, Florida Atlantic University; Huajun Chen, City of Dallas, *A k nearest neighbors based areal interpolation using point data as ancillary information.*

3:20 David Van Riper*, University of Minnesota - Twin Cities; Jonathan Schroeder, Ph.D., University of Minnesota - Twin Cities; Julia Shumway, University of Minnesota - Twin Cities, *Validating School Attendance Boundary Interpolation Estimates using a Census Research Data Center.*

3:40 Nicholas Nagle*, University of Tennessee; Stefan Leyk, University of Colorado; Babs Buttenfield, University of Colorado, *Constructing Small Area Estimates with Uncertain Census Data.*

4:00 Amy Rose*, Oak Ridge National Laboratory; Budhendra Bhaduri, Ph.D., Oak Ridge National Laboratory; Eddie Bright, Oak Ridge National Laboratory, *On Uncertainty Assessment of Population Distribution Databases.*

1517. Eurasian homelands 2: place, identity and constructing nationality in modern Eurasian spaces (Sponsored by Russian, Central Eurasian, and East European Specialty Group)

Room: 617 - Washington State Convention Center, Level 6
(Paper Session)

ORGANIZER(S): Jessica K. Graybill, Colgate University

CHAIR(S): Astrid Cerny

2:40 Austen Thelen*, University of Kansas, *Territorial Identities in the North Caucasus: The Role of Place in Constructing Ethno-National Identity.*

3:00 Austin Charron*, University of Kansas, *The Little Homeland: Ethnicity, Place, and Identity for Crimea's Russian Population.*

3:20 Anatoly Stepanov*, Ural State University; Maria Ilyushkina, Ural State University, *Influence of Globalization on the Regions of the Russian Federation.*

3:40 Vincent M. Artman*, University of Oregon, *Imperialism by Other Means: Passportization and International Law in South Ossetia.*

4:00 Michael W Tripp, Dr.*, Vancouver Island University, *Russian Routes: Emigrant Decision-making Processes in the Formation of Migration Pathways.*

1518. Enhancing the Student Learning Experience through Learning and Teaching Research (Sponsored by International Network for Learning & Teaching Geography in Higher Education (INLT), Geography Education Specialty Group)

Room: 618 - Washington State Convention Center, Level 6
(Paper Session)

ORGANIZER(S): Derek France, University of Chester; Pauline Kneale, University of Plymouth

CHAIR(S): Derek France, University of Chester

2:40 Pauline E Kneale, Professor*, University of Plymouth, *Creating parallel spaces for staff and students to write, to encourage research led teaching.*

3:00 Susan Vajoczki*, McMaster University, *A New Teaching and Learning Initiative within the Canadian Association of Geographers.*

3:20 Michael Bradford*, University of Manchester, *Beyond the threshold: significant 'ah-hah' moments in the learning of geographers.*

3:40 Derek France*, University of Chester; Serval Miller, University of Chester, *Simulating an Emergency Response Scenario using YAMMER a Web 2.0 technology.*

Discussant(s): Kenneth D Lynch, University of Gloucestershire

1519. Part II: Teaching and Learning Geography at a Distance: What's New and Exciting? (Sponsored by Geography Education Specialty Group)

Room: 619 - Washington State Convention Center, Level 6
(Paper Session)

ORGANIZER(S): Richard B. Schultz, Elmhurst College; Michael N. DeMers, New Mexico State University

CHAIR(S): Michael N. DeMers, New Mexico State University
Introducer: Richard B. Schultz

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- 2:42** Shrinidhi S. Ambinakudige*, Mississippi State University; Athena Owen, Mississippi State University; John C Rodgers, Mississippi State University, *Teaching geospatial technologies on distance learning: challenges and experiences.*
- 3:02** Donald J. Zeigler*, Old Dominion University, *A Decade of Distance Learning: From CD-ROM to On-Line Courses for Teachers.*
- 3:22** Jonathan M. Harbor*, Purdue University, *It actually works! Far more effective writing assignments with much less instructor time.*
- 3:42** Michael Gould*, Esri, *Digital teaching materials for introducing Enterprise GIS in the Geography classroom.*
- Discussant(s): Richard B. Schultz, Elmhurst College
- 1520. Agamben's Ontology I: Space, Power & Ethics**
 Room: 620 - Washington State Convention Center, Level 6 (Panel Session)
 ORGANIZER(S): Najeeb A. Jan, University of Colorado; Joshua Barkan, University of Georgia
 CHAIR(S): Joel D Wainwright, The Ohio State University
 Introducer: Joel D Wainwright
 Panelists: Joshua Barkan, University of Georgia; Ian Shaw, University of Arizona; Anna J Secor, University of Kentucky; Najeeb A. Jan, University of Colorado
- 1524. Hub Cities and the Knowledge Economy. Airports. Seaports. Brainports. (2) (Sponsored by Urban Geography Specialty Group, Economic Geography Specialty Group)**
 Room: 301 - Washington State Convention Center, Level 3 (Paper Session)
 ORGANIZER(S): Sven Conventz, Technical University of Munich; Ben Derudder, Ghent University
 CHAIR(S): Alain Thierstein, Munich University of Technology
2:40 Sven Conventz*, Munich University of Technology; Alain Thierstein*, Munich University of Technology, *Hub-airports as cities of intersections: The redefined role of (hub) airports within knowledge economy context.*
3:00 Ben Derudder*, Ghent University; Frank Witlox, Ghent University, *Physical connectivity and 'the knowledge economy': a worldwide empirical comparison of urban connectivity in airline and global service networks.*
3:20 Michael Bentlage*, Technical University of Munich; Alain Thierstein, Technical University of Munich, *The interrelation between physical and non-physical interaction within knowledge generation.*
 Discussant(s): Wouter Jacobs, Utrecht University
- 1526. Dendrochronology II: Dendrochronological Applications II (Sponsored by Paleoenvironmental Change Specialty Group, Biogeography Specialty Group)**
 Room: 303 - Washington State Convention Center, Level 3 (Paper Session)
 ORGANIZER(S): Christopher M. Gentry, Austin Peay State University; Grant Harley, University of Tennessee
 CHAIR(S): Grant Harley, University of Tennessee
2:40 Jeremy Littell*, University of Washington Climate Impacts Group, *Regional dendroclimatology and a network of streamflow reconstructions for the Pacific Northwest.*
3:00 Donald A Falk*, University of Arizona; Elaine K Sutherland, US Forest Service, Rocky Mountain Research Station; Elena Velasquez, University of Arizona; Thomas Kitzberger, Universidad Nacional del Comahue, Bariloche, Argentina, *Multiscale Analysis of Synchrony in Dendrochronology.*
3:20 Elaine Kennedy Sutherland, PhD*, US Forest Service, Rocky Mountain Research Station; Maria Elena Velasquez, PhD, Laboratory of Tree-Ring Research, University of Arizona; Donald A Falk, PhD, Laboratory of Tree-Ring Research, University of Arizona, *A New Tool for Superposed Epoch Analysis in Dendrochronology.*
- 3:40** Grant L. Harley*, University of Tennessee; Henri D. Grissino-Mayer, PhD, University of Tennessee, *Seasonal wood formation of slash pines (*Pinus elliottii* var. *densa*) in the Lower Florida Keys, U.S.A..*
- 1527. Space and Social Networks 2 (Sponsored by Political Geography Specialty Group)**
 Room: 304 - Washington State Convention Center, Level 3 (Paper Session)
 ORGANIZER(S): Olivier Walther, CEPS/INSTEAD Luxembourg; Dimitrios Christopoulos, UWE-Bristol
 CHAIR(S): Christophe SOHN, CEPS/Instead
2:40 Olivier Walther*, CEPS/INSTEAD Luxembourg, *Understanding the spatiality of cross-border governance networks.*
3:00 Bettina Lelong*, ILS Research Institute for Regional and Urban Development, *Policy Networks in Urban Development Processes: Conflict versus Change.*
3:20 Jeremy Mennis*, Temple University; Michael J Mason, Ph.D., Villanova University, *The Spatial and Social Network Contexts of Adolescent Substance Use.*
3:40 Karen Haandrikman*, Dept of Human Geography, Stockholm University, *Do geographical roots matter on the partner market? An analysis of Swedish marriage fields.*
- 1528. Environmental Health Geographies and Social Injustice I (Sponsored by Africa Specialty Group, Health and Medical Geography Specialty Group)**
 Room: 305 - Washington State Convention Center, Level 3 (Paper Session)
 ORGANIZER(S): Florence M. Margai, Binghamton University; Isaac N. Luginaah, University of Western Ontario
 CHAIR(S): Florence M. Margai, Binghamton University
2:40 Tor H Oiamo*, The University of Western Ontario; Isaac Luginaah, PhD, The University of Western Ontario, *Susceptibility and Air Pollution in Sarnia, Ontario: A Gender Analysis.*
3:00 Chi Li*, *Disparities in Asthma, Socioeconomic Status and Neighborhood Context in Bronx County, New York.*
3:20 Raymond Asare Tutu*, Pennsylvania State University, *Environment and Health Stressors, and Return Migration Propensities in Urban Slums: A Case of Old Fadama, Accra.*
3:40 Florence M. Margai, Professor of Geography*, Binghamton University, *Global Environmental Justice: Emerging Risks and Health Consequences in Côte d'Ivoire.*
- 1529. Paleoenvironments and Climate Change in Western North America: Lessons from the Past, Prospects for the Future II (Sponsored by Paleoenvironmental Change Specialty Group, Climate Specialty Group, Biogeography Specialty Group)**
 Room: 306 - Washington State Convention Center, Level 3 (Paper Session)
 ORGANIZER(S): Jesse Morris, University of Utah; David F Porinchi, Ohio State University
 CHAIR(S): Jesse Morris, University of Utah
2:40 Michael Pisaric*, Carleton University; Richard V.O. Marcantonio, Carleton University; Katherine Sigurdson, Carleton University, *Vegetation controls on the fire regime in the southern Yukon Territory during the past 1200 years..*
3:00 Rosemary L. Sherriff*, Humboldt State University, *Effects of climate variability on spruce beetle (*Dendroctonus rufipennis*) activity in south-central Alaska.*

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- 3:20** R Justin DeRose*, Utah State University, *Effect of antecedent disturbances and drought on a landscape wide spruce beetle outbreak in the southern Rocky Mountains.*
- 3:40** Christopher D O'Connor*, University of Arizona, SNRE and LTRR; Donald A Falk, PhD, University of Arizona, School of Natural Resources and the Environment; Ann M Lynch, PhD, USDA Forest Service Rocky Mountain Research Station; Thomas W Swetnam, PhD, University of Arizona, Laboratory of Tree Ring Research, *Fire and climate influences on forest dynamics and demography along an elevational gradient within the Pinaleno Mountains of Arizona.*
- 4:00** Jennifer Watt*, University of Utah; Andrea Brunelle, Ph.D., University of Utah, *A late-Holocene, high-resolution climate, vegetation, fire, and mountain pine beetle record for the Northern Rocky Mountains, USA.*

1530. Double Exposures and Intersecting Crises I: Climate change, hazards and economic crisis (Sponsored by Human Dimensions of Global Change Specialty Group, Hazards Specialty Group, Economic Geography Specialty Group)

Room: 307 - Washington State Convention Center, Level 3

(Paper Session)

ORGANIZER(S): James M Jeffers, Rutgers University; Robin Leichenko, Rutgers University

CHAIR(S): Robin Leichenko, Rutgers University

2:40 Bob Bolin*, Arizona State University; Lisa Meierotto, Arizona State University; Abigail York, Arizona State University; Michelle Hegmon, Arizona State University, *Suburbanization of Vulnerability: Environmental Justice and Resource Insecurity in Phoenix, Arizona.*

3:00 Molly E. Brown*, NASA Goddard Space Flight Center; Kirsten Johnson, PhD, ICF Macro International; Timothy Essam, University of Maryland, *Childhood Malnutrition in West Africa: linkages between environment, markets and development.*

3:20 James M Jeffers*, Rutgers University, *Intersecting Crises and Double Exposures: Economic recession and climate change in Ireland.*

3:40 Jiyong Park, University at Buffalo, The State University of New York; Joongkoo Cho*, University of Southern California; Adam Rose, University of Southern California, *Modeling a Major Source of Economic Resilience to Disasters: Recapturing Lost Production.*

4:00 Karina Benessaiah*, Arizona State University, *Is getting "richer" making you more vulnerable? Aquaculture, natural hazards and resilience of coastal livelihoods in the Estero Real, Nicaragua.*

1531. The blue frontier: linking projects, processes, and politics in oceans governance II (Sponsored by Cultural and Political Ecology Specialty Group, Human Dimensions of Global Change Specialty Group, Coastal and Marine Specialty Group)

Room: 308 - Washington State Convention Center, Level 3

(Paper Session)

ORGANIZER(S): Jennifer J. Silver, Duke University; Noëlle Boucquey, Duke University

CHAIR(S): Rebecca Gruby, Duke University

2:40 Grant Murray, PhD*, Vancouver Island University, *Social-ecological regime change in the fisheries of Newfoundland and Labrador.*

3:00 Betsy A Beymer-Farris, University of Illinois at Urbana-Champaign; Ian Bryceson*, Norwegian University of Life Sciences, *Reassessing the "Roving Bandits": the impacts of multiscale interventions on small-scale fisheries and local marine resource governance in Mafia Island, Tanzania..*

3:20 Noëlle Boucquey*, Duke University, *Placing Conflict in Context: Examining the evolution of fishing discourses in Carteret County, North Carolina.*

3:40 Fletcher Chmara-Huff*, The Ohio State University, *Marine Protected Areas and the Progressive Territorialization of the Oceans: a case from the Bahamas.*

Discussant(s): Philip E. Steinberg, Florida State University

1533. Geographies of Media II: Media technologies and cultural economy (Sponsored by Political Geography Specialty Group, Cultural Geography Specialty Group, Communication Geography Specialty Group)

Room: 310 - Washington State Convention Center, Level 3

(Paper Session)

ORGANIZER(S): Jason Dittmer, University College London; James Craine, California State University Northridge

CHAIR(S): Joseph Palis, North Carolina State University

2:40 Jessie P. Poon, Ph.D.*, University at Buffalo-SUNY, *Mediatizing the spiritual marketplace.*

3:00 Tarek Virani, BA, MA, PhD Candidate*, King's College London, *Musical Knowledge, Music Scenes and Cultural Production. A Triumvirate of the Cultural Economy..*

3:20 Hyeeseon Jeong*, The Ohio State University; Ola Ahlqvist, The Ohio State University, *Diaspora Nationalism in Cyberspace: Hyperlink Networks of Kurdish Organizations.*

3:40 Ann M Oberhauser*, West Virginia University; Amy Gentzler, West Virginia University; David Westerman, West Virginia University, *'Where u at?': Socio-spatial Aspects of ICT Use among Young Adults.*

4:00 Georgia Conover*, University of Arizona, *Using Media to Teach Media: On-line Pedagogy and Learner-Centered Education.*

1534. Geographies of Palestinian Solidarity: Boycotts & Backlashes across Borders & Scales (I) (Sponsored by Socialist and Critical Geography Specialty Group)

Room: 3A - Washington State Convention Center, Level 3

(Panel Session)

ORGANIZER(S): Omar Jabary Salamanca; Punam Khosla, York University

CHAIR(S): Ron Smith, University of Washington

Panelists: Ron Smith, University of Washington; Omar Jabary Salamanca; Punam Khosla, York University; Daniel Olmos

1535. Urban Environments and the Quality of Place

Room: 3B - Washington State Convention Center, Level 3

(Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): James Kurt Lein, Ohio University

2:40 Christian MONTES*, Université De Lyon, *Pierre, SD, an ordinary American small town?.*

3:00 Gilles Viaud, PhD*, Thompson Rivers University, *An Introduction to the Small City Quality of Place Reporting System and Toolkit.*

3:20 Jasmin Honold*, Humboldt-Universität zu Berlin; Elke van der Meer, Humboldt-Universität zu Berlin; Reinhard Beyer, Humboldt-Universität zu Berlin; Tobia Lakes, Humboldt-Universität zu Berlin, *Multiple environmental stressors in urban neighborhoods: Effects on subjective and objective human well-being.*

3:40 James K. Lein, Ph.D.*, Ohio University; Walter W. Kropp, MA, Ohio University, *Achieving Development Guidance Solutions Using GIS: Is Sustainability Spatial?.*

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- 1536. Monitoring landscape-scale disturbance and recovery with remote sensing II: models and analytical frameworks (Sponsored by Geographic Information Science and Systems Specialty Group, Remote Sensing Specialty Group, Human Dimensions of Global Change Specialty Group)**
Room: 201 - Washington State Convention Center, Level 2
(Paper Session)
ORGANIZER(S): Zachary Christman, Clark University; Kirsten Barrett, United States Geological Survey
CHAIR(S): Zachary Christman, Clark University
2:40 Kirsten Barrett*, United States Geological Survey, *Forest conversion in the Southwest Amazon: scale dependence of temporal and spatial variation.*
2:57 Cerian Gibbs*, University of Florida; Jane Southworth, Dr., University of Florida; Peter Waylen, Dr., University of Florida; Xia Cui, University of Florida, *A cross scale analysis of precipitation shifts and long term vegetation trends within southern Africa.*
3:14 Alisa W. Coffin, Ph.D.*, United States Geological Survey; Raymond D. Watts, Ph.D., United States Geological Survey, *Monitoring road network development in rural areas to anticipate land use and land cover change.*
3:31 Christopher Lippitt*, San Diego State University/University of California Santa Barbara, *On the utility of models for time-sensitive remote sensing.*
3:48 John Rogan*, Clark University, *The right way to assess land change using remotely sensed data.*
4:04 Zachary Christman*, Rutgers University, *Possibility, Uncertainty, and Confusion in Land Change Analyses? a case study from Central Mexico.*
- 1538. Sustainable Communities 2**
Room: 203 - Washington State Convention Center, Level 2
(Paper Session)
ORGANIZER(S): Alison Blay-Palmer, Wilfrid Laurier University; Josh P. Newell, University of Michigan
CHAIR(S): Alison Blay-Palmer, Wilfrid Laurier University
2:40 Josh P. Newell*, University of Michigan; Jennifer R Wolch, University of California-Berkeley; Mona Seymour, Loyola Marymount University; Hilary Bradbury Huang, Oregon Health & Science University; Kim Reynolds, Claremont Graduate University; Jennifer Mapes, University of Southern California, *The Forgotten and the Future: Reclaiming Back Alleys for a Sustainable City.*
3:00 Robert Brinkmann, Ph.D.*, University of South Florida; Richard A. Carlson, University of South Florida, *A Tale of Two Sustainabilities: Sarasota and Newtown.*
3:20 Noah Quastel*, University of British Columbia; Markus Moos, University of Waterloo, School of Planning; Nicholas Lynch, University of British Columbia, *Sustainability as Density and the Return of the Social: The Case of Vancouver, British Columbia.*
3:40 Yehuda L Klein, Ph.D.*, CUNY - Graduate Center; Jessica Miller, CUNY Graduate Center; Vatsal Bhatt, Ph.D., Brookhaven National Laboratory; Jorge Gonzalez, Ph.D., City College of New York; Hildegaard Link, CUNY Graduate Center, *Urban Sustainability on Campus: A New York City Case Study.*
- 1539. GEOBIA/OBIA (Geo-Object Based Image Analysis) Applications (Section B) (Sponsored by Remote Sensing Specialty Group)**
Room: 204 - Washington State Convention Center, Level 2
(Paper Session)
ORGANIZER(S): L. Monika Moskal, University of Washington
CHAIR(S): Meghan Halabisky
2:40 ByungYun Yang*, University of Georgia, *Ontology-Driven Image Segmentation and Classification.*
- 3:00** Trevor Gareth Jones*, UBC; Nicholas C. Coops, Dr., University of British Columbia; Tara Sharma, Dr., Parks Canada, *Advancing terrestrial ecosystem mapping in the southern Gulf Islands, Canada.*
- 3:20** Gi-Choul Ahn*, Snohomish County Public Works; Andre Coleman, Battelle Pacific Northwest National Laboratory, Richland, Washington; Jerry Tagestad, Battelle Pacific Northwest National Laboratory, Richland, Washington; Andy Haas, Snohomish County Public Works, Division of Surface of Water Management, Washington; Mike Rustay, Snohomish County Public Works, Division of Surface of Water Management, Washington; Ben Dittbrenner, Snohomish County Public Works, Division of Surface of Water Management, Washington; Hahn Chul Jung, School of Earth Sciences, Ohio State University, Columbus, Ohio; Darla Boyer, Tulalip Tribes, Washington, *Wetland Mapping of Snohomish County.*
- 3:40** Thi-Thanh-Hiên PHAM*, University of Québec (INRS-UCS); Philippe Apparicio, University of Québec (INRS-UCS); Anne-Marie Séguin, University of Québec (INRS-UCS), *Environmental justice and urban vegetation in Montréal: An application of object-based image analysis and GIS.*
- 4:00** Bo Malmberg*, Stockholms Universitet; Michael Meinild Nielsen, Stockholm university, *Detection of Forest Damage in High Resolution Imagery: A Comparison Between Ecognition and Choros Cognition Software.*
- 1540. Geographies of Everyday (Im)mobilities II (Sponsored by Qualitative Research Specialty Group, Transportation Geography Specialty Group)**
Room: 205 - Washington State Convention Center, Level 2
(Paper Session)
ORGANIZER(S): David Butz, Brock University; Nancy E. Cook, Brock University
CHAIR(S): David Butz, Brock University
2:40 Craig Townsend*, Concordia University, *Uneven Mobility in a Divided Society: The Distribution of Public Transportation Service in Bangkok, Thailand.*
3:00 Katherine Brickell, Dr*, Royal Holloway, University of London, *Translocal Mobilities of 'Home' in Siem Reap, Cambodia.*
3:20 Sara Beth Keough, Ph.D.*, Saginaw Valley State University, *Newfoundland Migration to Alberta: The Accumulation of Social Capital in the Migrants Place of Origin.*
3:40 Clare Wasteneys*, Queen's University, *"But Mom, Girls Don't Ride Bikes" - Intersections of ecological and gender habitus in sustainable transport planning.*
4:00 Denver Nixon*, University of Western Ontario, *The Social Landscapes of Three Mobility Practices in Vancouver, BC.*
- 1541. Open Source Tools in GISc Research and Education (II) (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group, Spatial Analysis and Modeling Specialty Group)**
Room: 206 - Washington State Convention Center, Level 2
(Paper Session)
ORGANIZER(S): Sung-Gheul Jang, Cleveland State University; Serge Rey, Arizona State University
CHAIR(S): Sung-Gheul Jang, Cleveland State University
2:40 Philip Stephens*, GeoDa Center for Geospatial Analysis and Computation, *Path Dependence and Open Source in Geographic Education.*
3:00 Xing Kang*, School of Geographical Science and Urban Planning, Arizona State University; Sergio J. Rey, School of Geographical Science and Urban Planning,

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Arizona State University; Alan T. Murray, School of Geographical Science and Urban Planning, Arizona State University, *Regionalization Approaches for ESDA: Implementation and Evaluation in PySAL*.

3:20 Siyu Fan*, IGRE, *A Polygon Overlap Tool for Spatial Analysis Embedded in Google Earth*.

3:40 Fan Li*, School of Geographical Sciences and Urban Planning, Arizona State University; Serge J Rey, School of Geographical Sciences and Urban Planning, Arizona State University; Alan T Murray, School of Geographical Sciences and Urban Planning, Arizona State University, *Cluster Detection Methods in PySAL*.

4:00 Tawan Banchuen*, University of Auckland; Will Smart, Centre for eResearch, University of Auckland; Brandon Whitehead, Centre for eResearch, University of Auckland; Mark Gahegan, Centre for eResearch; Sina Masoud-Ansari, Centre for eResearch, University of Auckland, *Free Open-Source, Open-Platform System for Information Mashup and Exploration in Earth Science*.

1542. Vulnerability and Resilience Research at the U.S. Geological Survey, part 1 (Sponsored by Hazards Specialty Group)

Room: 211 - Washington State Convention Center, Level 2 (Paper Session)

ORGANIZER(S): Nathan Wood, United States Geological Survey

CHAIR(S): Nathan Wood, United States Geological Survey
Introducer: Nathan Wood

3:00 Angela K Diefenbach*, USGS; Nathan J Wood, USGS; John W Ewert, USGS, *Societal Exposure and Sensitivity to Lahar Hazards from the Principal Volcanoes in Washington State*.

3:20 Amy M Mathie*, United States Geological Survey; Nathan Wood, U.S. Geological Survey; Rachel Sleeter, U.S. Geological Survey, *Using geospatial population modeling to strengthen community preparedness and resilience to natural hazards: Clackamas County, Oregon*.

3:40 Jamie L Ratliff*, U.S. Geological Survey, Western Geographic Science Center; Nathan J Wood, U.S. Geological Survey, Western Geographic Science Center; Craig S Weaver, U.S. Geological Survey, Earthquake Hazards Program, *Community Exposure and Sensitivity to Earthquake Hazards in Washington State*.

4:00 Laura Dinitz*, US Geological Survey; Anne Wein, PhD, US Geological Survey, *Risk Analysis of Mobile-Home Parks in Southern California*.

1543. By air, land, and sea: freight flows and networks (Sponsored by Transportation Geography Specialty Group)

Room: 212 - Washington State Convention Center, Level 2 (Paper Session)

ORGANIZER(S): Julie Cidell, University of Illinois

CHAIR(S): Morton E. O'Kelly, Ohio State University

2:40 Morton E. O'Kelly*, The Ohio State University, *Hub Networks: Environmental Implications of Gateways*.

3:00 Kara Tiller*, The University of North Carolina at Charlotte; Jean-Claude Thill, Ph.D., The University of North Carolina at Charlotte, *Functional Separation as Domestic Freight Transportation Cost in Containerized U.S.-Bound Latin American Export Trade*.

3:20 Khaula A. Alkaabi*, UAE University, *Air Freight Demand and Perishable Markets by U.S. Metropolitan Area: The Impact of 09 Recession*.

3:40 John Bowen*, Central Washington University, *A Spatial Analysis of FedEx and UPS: Hubs, Spokes, and Gateways*.

4:00 Jess Browning*, University of Washington, *An assessment of needs and a method of tracking and analysing global commerce flows*.

1544. Cultural Landscape of Wine I (Sponsored by Geography of Wine Specialty Group)

Room: 213 - Washington State Convention Center, Level 2 (Paper Session)

ORGANIZER(S): Gregory V. Jones, Southern Oregon University
CHAIR(S): Gregory V. Jones, Southern Oregon University

2:40 Adam Mathews*, Texas State University-San Marcos, *Rural Migration Destinations: Mexican Agricultural Labor in New York's Finger Lakes Region*.

3:00 Denyse Lemaire, Ph.D.*, Rowan University, *Wines of Provence and Southern Rhône Regions*.

3:20 Robert P Sechrist*, Indiana University of Pennsylvania, *The expanding international and varietal composition of the Wine Spectator Top 100, 1988-2010*.

3:40 Aron Massey*, Kent State University, *"You expect me to drink that?" Lessons learned from a first time Geography of Wine Instructor*.

1545. Tactics of Dispossession: Extraction, Accumulation, Control II (Sponsored by Cultural and Political Ecology Specialty Group, Energy and Environment Specialty Group)

Room: 214 - Washington State Convention Center, Level 2 (Paper Session)

ORGANIZER(S): Matthew Himley, Illinois State University; Tomas Frederiksen, University of Toronto

CHAIR(S): Matthew Himley, Illinois State University

2:40 Tomas Frederiksen*, University of Toronto, *From agonising to authorising the 'natives' - tactics of dispossession in colonial Zambia*.

3:00 Marty G Otañez, Phd*, Anthropology Department, University of Colorado Denver, *Uranium Labor and the Political Ecology of Corporate Responsibility Schemes in Malawi*.

3:20 Kuntala Lahiri-Dutt*, The Australian National University, *Feminist Critiques of Extractive Industries: Towards a New Agenda for Geographical Research*.

Discussant(s): Leah Horowitz, Rutgers University

1546. An Inquiry into Chinatown Geographies

Room: 2A - Washington State Convention Center, Level 2 (Paper Session)

ORGANIZER(S): Serene Tan, York University; Megan Dixon, College of Idaho

CHAIR(S): Serene Tan, York University

2:40 Megan Dixon*, College of Idaho, *Discourses of Chinatown in St. Petersburg, Russia*.

3:00 Serene Tan*, York University, *The Persistence of Chinatown*.

1548. Capital@Conservation#Media*Discourse I: Exploring the Theory and Practice of 'Conservation 2.0'

Room: Cirrus Ballroom - Sheraton Hotel, Pike Tower, Thirty Fifth Floor (Paper Session)

ORGANIZER(S): Bram Büscher, Institute of Social Studies; Wolfram Dressler, University of Queensland

CHAIR(S): Bram Büscher, Institute of Social Studies

Introducer: Bram Büscher

2:45 Robert Fletcher, Ph.D.*, University for Peace, *Neoliberal Conservation or Welfare State in Disguise? Governing Payment for Environmental Services in Costa Rica*.

3:04 Brenda Baletti*, University of North Carolina, Chapel Hill, *Saving the Amazon: "sustainable soy" and the new logic of conservation*.

TUESDAY, APRIL 12 • 2:40 PM - 4:20 PM • 1500

- 3:23** Tor A. Benjaminsen*, Norwegian University of Life Sciences; Ian Bryceson, Norwegian University of Life Sciences, *Conservation as land grabbing in Tanzania.*
- 3:42** Georgina Barrett*, Rhodes University, *Utopian Dreams, Apocalyptic Nightmares and Market Panaceas.*
- 4:01** Wolfram H Dressler, PhD*, University of Queensland, *First to Third Nature: The Rise of Capitalist Conservation on Palawan Island, the Philippines.*
- 1550. Local and global geographies of entrepreneurship and innovation: Structures, processes and geographical contexts II**
Room: Boren - Sheraton Hotel, Union Tower, Fourth Floor
(Paper Session)
ORGANIZER(S): Grete Rusten, University of Bergen; Ragnhild Overa, University of Bergen
CHAIR(S): Ragnhild Overa, University of Bergen
Introducer: Ragnhild Overa
- 2:50** Brita Hermelin, Associate Professor*, Stockholm University; Margareta Dahlström, Associate Professor, Karlstad University; Lukas Smas, Ph D, Stockholm University, *Knowledge development and innovations in medtech - an institutional and multi-scalar approach.*
- 3:10** Heidi Bjonnes Larsen*, *Consumer-producer co-evolution and innovation in the food value chain.*
- 3:30** Axel Stein, Order number 69825*, Leibniz Institute for Regional Development and Structural Planning, *The relevance of distance in innovation biographies - the case of law firms.*
- 3:50** Grete Rusten*, University of Bergen, *Competitive technologies. Management strategies, practises, the role of innovations and geographical contexts in modern production systems.*
- 1552. Critical Perspectives on Performativity: 2. Performing Economic Geographies (Sponsored by Economic Geography Specialty Group)**
Room: Jefferson - Sheraton Hotel, Union Tower, Fourth Floor
(Paper Session)
ORGANIZER(S): David Lansing, University of Maryland Baltimore County Geography and Environmental Systems; Kevin Gould, Concordia University
CHAIR(S): David Lansing, University of Maryland Baltimore County Geography and Environmental Systems
- 2:40** Kevin Gould*, Concordia University, *Making markets, forming race: military-led development in Cold War Guatemala.*
- 3:00** Christopher Harker*, Durham University, *Capitalism and colonialism: Ramallah style.*
- 3:20** Mark H Cooper*, University of Wisconsin-Madison, *'Give Me a Model and I Will Save the Earth': Economics and Policy Design in the New Zealand Emissions Trading Scheme.*
- 3:40** John Lauermaann*, Clark University, *Being mûqawâtâh: Performative business practice in qat markets of Sana'a, Yemen.*
- 1554. Geospatial Analysis of Environmental Health Justice II (Sponsored by Geographic Information Science and Systems Specialty Group, Health and Medical Geography Specialty Group)**
Room: Pike - Sheraton Hotel, Union Tower, Fourth Floor
(Paper Session)
ORGANIZER(S): Juliana Maantay, Lehman College/CUNY; Sara McLafferty, University of Illinois
CHAIR(S): Juliana Maantay, Lehman College/CUNY
- 2:40** Jayajit Chakraborty*, University of South Florida, *Using Spatial Autoregressive Models to Enhance Environmental Justice Analysis: A Case Study in Tampa Bay, Florida.*
- 3:00** Christopher Boone*, Arizona State University, *A long view of polluting industry and environmental justice in Baltimore.*
- 3:20** Liv Raddatz, M.A.*, Temple University; Jeremy Mennis, Ph.D, Temple University, *Environmental Justice in Hamburg, Germany: An analysis of the distribution of environmental risk and socioeconomic status.*
- 3:40** Megan Heckert*, Temple University, *Temporary Green Spaces and Park Equity.*
- 4:00** Trevor Kyle Fuller*, University of Illinois at Urbana-Champaign, *The Everyday Environment: A Qualitative GIS of Human Interactions with Hazardous Sites.*
- 1556. Built Environment and Travel Behavior: Measurement, Behavioral Processes and Policy Evaluation (2)**
Room: Seneca - Sheraton Hotel, Union Tower, Fourth Floor
(Paper Session)
ORGANIZER(S): Tingting Wang; Cynthia Chen
CHAIR(S): Cynthia Chen
- 2:40** Kobe Boussauw*, Ghent University - Geography Department; Frank Witlox, Ghent University - Geography Department, *The role of spatial proximity in daily mobility production: A case study in the North of Belgium.*
- 2:55** Charles C Layman*, Florida State University, *Simulating the Impact of Urban Development on the Jobs-Housing Balance of a Region: A Disaggregated Approach.*
- 3:10** Jean-Paul Hubert*, Pres Paris Est / inrets, *Analysis of travel behaviour according to municipal density in France.*
- 3:25** Jeffrey Osleeb*, University of Connecticut; Curtis Denton, University of Connecticut, *Risks Associated with Changing Land Uses on Motor Accidents in Connecticut Cities and Towns.*
- 1558. Neoliberal Interventions and the Cultural Politics of the Development Encounter (Sponsored by Regional Development and Planning Specialty Group)**
Room: University - Sheraton Hotel, Union Tower, Fourth Floor
(Paper Session)
ORGANIZER(S): Vandana Wadhwa, Boston University; Mary Conran
CHAIR(S): Vandana Wadhwa, Boston University
- 2:40** Jean Yves R Merilus*, Nassau Community College, *Post-earthquake Haiti and Reconstruction: A subtle neoliberal economic approach..*
- 3:00** Aman Luthra*, Johns Hopkins University, *Wasted!: a political economy of waste.*
- 3:20** Melissa Y Rock*, Pennsylvania State University, *"Close Neighbors are better than distant relatives": Splintering social networks within Beijing's Neoliberal Urbanism.*
- 3:40** Mary Conran*, University of Hawaii at Manoa, *"I Want to See/Save the World": The Geography of Compassion in Volunteer Tourism.*
- 4:00** Derrick Hindery, Ph.D.*, University of Oregon (International Studies and Geography), *Synergistic impacts of gas and mining development in Bolivia's Chiquitania: the significance of analytical scale.*

TUESDAY, APRIL 12 • 2:40 PM - 4:20 PM • 1500**1559. Land Use, Land Cover, and GIS**

Room: *Virginia - Sheraton Hotel, Union Tower, Fourth Floor*

(Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Melinda Shimizu

2:40 Xuchu Meng*, University of North Carolina, Charlotte, *Land use and/or land cover classification for urban ecosystem.*

3:00 Christopher Lant*, Southern Illinois University; Silvia Secchi, Southern Illinois University; Gimaye Misgna, Southern Illinois University, *Climate Change, Hydrology, and Landscapes of America's Heartland.*

3:20 Amy Burnicki*, University of Wisconsin-Madison; Daniel G Brown, University of Michigan, *Investigating the assumption of temporal stationarity in land-cover change modeling.*

3:40 Melinda Shimizu*, Elizabeth Wentz, Arizona State University; Art Gold, University of Rhode Island; D. Q. Kellogg, University of Rhode Island, *Exploring predictive and anticipatory designs of a spatial decision support system for long-term land-use planning.*

1561. Forest Recovery and Adaptation

Room: *Ballard - Sheraton Hotel, Pike Tower, Third Floor*

(Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Kevin W. Archer, University of South Florida

2:40 Lin Robinson, PhD*, none, *Urbanization and Second-Growth Forests in the Pacific Northwest: Land-Use Change, Fragmentation, and Policy Implications.*

3:00 Grey Evenson*, The Ohio State University; Ningchuan Xiao, PhD, The Ohio State University, *Dynamic Watershed Modeling and the Need for Sequential Restoration Recommendations.*

3:20 Brendan Vierk*, University of Wisconsin - Milwaukee; Geography department, *Does slope aspect matter?: Examining the interaction between landform and forest composition in a post-agricultural karst landscape..*

3:40 Markku Tykkylainen*, University of Eastern Finland; Olli Lehtonen, University of Eastern Finland, *Assessment of the futures of the forest industry in an uncertain environment.*

4:00 Kevin W. Archer*, University of South Florida, *The Misplaced Post-Political Solace of Science and Adaptive Management in the Restoration of the Everglades.*

1564. Environmental Change and Human Adaptation on the Tibetan Plateau - II: Environmental Change and Landform Evolution (Sponsored by China Specialty Group, Paleoenvironmental Change Specialty Group, Geomorphology Specialty Group)

Room: *Fremont - Sheraton Hotel, Union Tower, Third Floor*

(Paper Session)

ORGANIZER(S): Yingkui Li, University of Tennessee; Chaolu Yi, Institute of Tibetan Plateau Research, Chinese Academy of Sciences

CHAIR(S): Chaolu Yi, Institute of Tibetan Plateau Research, Chinese Academy of Sciences

2:40 Yixin Chen*, College of Urban and Environmental Sciences, Peking University, Beijing 100871, China; Yingkui Li, Department of Geography, University of Tennessee, Knoxville, TN 37966, USA; Mei Zhang, College of Urban and Environmental Sciences, Peking University, Beijing 100871, China; Yue Zhang, College of Urban and Environmental Sciences, Peking University, Beijing 100871, China; Chaolu Yi, Key Laboratory of Tibetan Environment Changes and

Land Surface Processes, Institute of Tibetan Plateau Research, China Academy of Sciences, Beijing 100085, China; Gengnian Liu, College of Urban and Environmental Sciences, Peking University, Beijing 100871, China, *Geomorphologic evolution of the Golmud River since the Last Glacial and its environmental implications.*

3:00 Zewen Liu*, The University of Tennessee, Knoxville; Yingkui Li, The University of Tennessee, Knoxville, *Patterns of Lake-level change in Tibetan Plateau from 1972 to 2010, investigated using Landsat images and LiDAR.*

3:20 Zhang Guoliang*, *Monitoring the glaciers retreat in Gongga Mountain, southeastern margin of the Tibetan Plateau, 1966 - 2009.*

3:40 Yingkui Li*, University of Tennessee; Dewen Li, China Earthquake Disaster Prevention Center, Beijing, 100029, China, *Basin wide erosion rates in the central and northern Tibetan Plateau estimated using in-situ produced ¹⁰Be concentrations from river sediments.*

1565. China: Industrial Geography II: Evolving Spatial Patterns (Sponsored by China Specialty Group)

Room: *Greenwood - Sheraton Hotel, Union Tower, Third Floor*

(Paper Session)

ORGANIZER(S): Piper Gaubatz, University Of Massachusetts

CHAIR(S): Piper Gaubatz, University Of Massachusetts

2:40 George Botjer*, University of Tampa, *State Capitalism and Manufacturing Agglomerations in China.*

3:00 Zhiqiang Liu*, *Geographical Concentration of Manufacturing Industries in China--A Comprehensive Framework.*

3:20 Dong Chen*, Institute of Geographical Sciences and Natural Resources Research, CAS; Fan Jie, Institute of Geographical Sciences and Natural Resources Research, CAS, *The Spatial Pattern of Financial Capital Flows in China: from Underdeveloped Areas to Developed Areas ?.*

3:40 Ke Chen*, East Tennessee State University; Guo Chen*, Michigan State University, *The Geography of China's Financial Centers.*

1566. Urban Political Ecology and Science and Technology Studies: Complementarity, Intersections, and Disjunctures: I

Room: *Issaquah A - Sheraton Hotel, Union Tower, Third Floor*

(Paper Session)

ORGANIZER(S): Seth Gustafson, University of Georgia

CHAIR(S): Seth Gustafson, University of Georgia

2:40 Jochen Monstadt*, Darmstadt University of Technology, *The urban political ecology of infrastructures. A comparative study of energy systems in Toronto, Los Angeles and Berlin.*

3:00 Esther Grace Kim*, University of California, Berkeley, *Knowledge Production as Performance in the Urban Metabolism of the Los Angeles River.*

3:20 Sean Ferguson, PhD Candidate RPI STS Program*, Rensselaer Polytechnic University, *Shaping urban metabolism through socio-technical-ecological reform in the 'waste' of San Francisco.*

3:40 Scott B Miles*, Resilience Institute, Department of Environmental Studies, Western Washington University; Rebekah A Green, Resilience Institute, Department of Environmental Studies, Western Washington University; Walter Svekla, Independent scholar, *Actor Network Theory for Determining Urban Disaster Risk Reduction Capacity in Informal Settlements.*

TUESDAY, APRIL 12 • 2:40 PM - 4:20 PM • 1500**1567. Access to urban opportunities (Sponsored by Urban Geography Specialty Group)**

Room: *Issaquah B - Sheraton Hotel, Union Tower, Third Floor*
(Paper Session)

ORGANIZER(S): Eric Boschmann, University of Denver
CHAIR(S): Lauren Rosenshein, Esri

2:40 Miwa Matsuo*, The University of Iowa, *High-income workers define economic geography: Intra-metropolitan occupational distribution and labor accessibility by income category.*

3:00 Dajun Dai*, Georgia State University, *Exploring the influence of black residential segregation and disparities in spatial access to health care on late-stage breast cancer diagnosis.*

3:20 Isabel Wiebe*, University of Quebec (INRS-UCS); Anne-Marie Séguin, INRS Urbanisation Culture Et Société; Philippe Apparicio, University of Québec (INRS-UCS), *: Evaluation of accessibility to urban resources for children in Montreal: A mixed approach based on GIS and qualitative methods.*

3:40 Pamela Dalal*, University of California, Santa Barbara; Konstadinos Goulias, University of California, Santa Barbara, *Geovisualization of the spatial distribution access of opportunities: an exploration of accessibility in Southern California using geographic information systems for equity analysis.*

4:00 Lauren Rosenshein*, George Mason University; Nigel Waters, PhD, George Mason University, *The Local Nature of a National Epidemic: Childhood Overweight and the Accessibility of Healthy Food.*

1568. Geographies of Harm Reduction (Sponsored by Urban Geography Specialty Group)

Room: *Kirkland - Sheraton Hotel, Union Tower, Third Floor*
(Paper Session)

ORGANIZER(S): Rachel Faulkner-Gurstein, CUNY Graduate Center; Katherine Mclean, CUNY Graduate Center/National Development and Research Institutes, Inc.

CHAIR(S): Rachel Faulkner-Gurstein, CUNY Graduate Center

2:40 Katherine Mclean*, CUNY Graduate Center/National Development and Research Institutes, Inc., *Needle Exchange and the Geography of Survival.*

3:00 Rachel Faulkner-Gurstein*, CUNY Graduate Center, *Is there a New York model of harm reduction drug policy?.*

3:20 Barbara Tempalski, PhD, MPH*, National Development and Research Institute; Enrique R Pouget, PhD, National Development and Research Institutes, Inc.; Hannah Cooper, ScD, Emory University Rollins School of Public Health, *Metropolitan area characteristics and the availability of harm reduction services for injection drug users.*

Discussant(s): Eugene McCann, Simon Fraser University

1569. Nightscapes: Geographies of Urban Nights II (Sponsored by Urban Geography Specialty Group)

Room: *Leschi - Sheraton Hotel, Union Tower, Third Floor*
(Paper Session)

ORGANIZER(S): Tim Schwanen, University of Oxford; Ilse Van Liempt

CHAIR(S): Irina Van Aalst, Utrecht University

2:40 Jelle Brands*, Utrecht University, *"I'll be watching you!"; on CCTV awareness and nightlife visitor experience..*

3:00 Marie-Avril Berthet Meylan, MA Geography, Université Lumière Lyon II (France)*; David Simonin, Engineer, Environmental Science EPFL; Eva Nada, MA Sociology, Université de Lausanne, Suisse; Rafaël Schütz, BA Geosciences and Environment, *Journey to the End of the Night - A research on the nightlife in Geneva.*

3:20 Ben Gallan*, University of Wollongong, *Night lives: youth transitions, heterotopia and the urban night.*

3:40 Timothy Reynolds, MLIS, MA Culture Studies*, Harlingen Public Library, *Night Haunts.*

Discussant(s): Mark Jayne, University of Manchester

1570. Local and International Actors in African economic Development

Room: *Medina - Sheraton Hotel, Union Tower, Third Floor*
(Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Andres Rodriguez-Pose, London School Of Economics

2:40 Faith O Ikioda*, University of Sheffield; Faith O Ikioda, university of Sheffield, UK, *Beyond the firm: Communities of practice in West African Marketplaces.*

3:00 Andrew Brooks*, Royal Holloway, University of London, *Selling Uncertainty: The Urban Livelihoods of Used Clothing Traders in Mozambique.*

3:20 Samuel Thomas Ledermann*, Rutgers University - New Brunswick, *Beyond the Green Revolution: Organic Cotton Production and its Impact on Poverty and Inequalities in Tanzania.*

3:40 Adanma Ogbo*, Miami University, Oxford, Ohio., *Trade Liberalization and the Geography of Automobile Spare Parts Trade: the case of Ladipo and Trade Fair automobile spare parts markets, Lagos, Nigeria..*

4:00 Andres Rodriguez-Pose*, London School Of Economics; Gilles Cols, College of Europe, Belgium, *The Determinants of Foreign Direct Investment in Sub-Saharan Africa: What Role for Governance.*

1571. The 'World Food Crisis', Agro-Investments and the Geopolitics of Food Security 1

Room: *Metropolitan Ballroom A - Sheraton Hotel, Third Floor*
(Paper Session)

ORGANIZER(S): Melanie Sommerville; Philippe Le Billon, University of British Columbia

CHAIR(S): Philippe Le Billon, University of British Columbia

2:40 Ilona Moore*, University of Minnesota, *Engineering food for security: the geopolitical work of GM crops.*

3:00 Tony Weis*, UW, *The Meat of the Food Crisis: A Political Ecology of Global Livestock Production.*

3:20 Kim Burnett*, University of Waterloo, *Trouble in the Fields: How the Food Crisis is Affecting the Governance of Global Food and Agriculture.*

3:40 Melanie Sommerville*, University of British Columbia Department of Geography, *Theorizing the "global land grab": A critical geopolitics of large-scale agro-investments.*

Discussant(s): Jamey Essex, University of Windsor

TUESDAY, APRIL 12 • 2:40 PM - 4:20 PM • 1500**1575. Relational geographies: taking stock 2**

Room: *Wallingford - Sheraton Hotel, Union Tower, Third Floor* (Paper Session)

ORGANIZER(S): Jamie Lorimer, Kings College London; Kathryn Yusoff, University of Exeter

CHAIR(S): Arun Saldanha, University of Minnesota - Minneapolis

2:40 Nigel Clark*, The Open University, *Indifferent Nature? The Politics and Ontology of the Nonhuman.*

3:00 Jennifer Barth, PhD*, University of Oxford, *Learning to Taste Coffee: Origin stories, ethical imaginations, and the perfect cup.*

3:20 Christopher Bear*, Aberystwyth University; Lewis Holloway, University of Hull; Katy Wilkinson, University of Hull, *Robotic milking and the emergent relational geographies of livestock agriculture.*

3:40 Keith Woodward*, University of Wisconsin-Madison, *The Face of the Earth.*

1577. Patrolling the Contours of Urban Security: An Examination of security and insecurity in cities.

Room: *Cedar Room - Sheraton Hotel, Second Floor* (Paper Session)

ORGANIZER(S): David Roberts, University of Toronto

CHAIR(S): David Roberts, University of Toronto

2:40 Ilse van Liempt*, utrecht university, *Discourses of surveillance in Dutch urban nightscapes.*

3:00 David J. Roberts*, University of Toronto, *Passing the Ball: World Cup planning lessons on in/security, social justice and policy mobility from South Africa (2010) to Brazil (2014).*

3:20 Vincent Song, DPhil*, University of Sheffield, *Rethinking Global Fear: Everyday Understanding of Terrorism in Singapore.*

3:40 Till F. Paasche*, University of Plymouth, *temp.*

Discussant(s): David Murakami Wood, Queen's University

1578. Historical Geography and Related Cartography

Room: *Douglas Room - Sheraton Hotel, Second Floor* (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Patrick McHaffie, Depaul University

2:40 Taylor E. Mack*, Louisiana Tech University, *Geographical Analysis of the 1671 Montanus Print of Trujillo, Honduras.*

3:00 Daniel Hopkins*, University of Missouri - Kansas City, *Assessment of the Land Use Depiction in an Extraordinary Eighteenth-century Map of the Caribbean Slave-plantation Island of St. Croix, Danish West Indies (U. S. Virgin Islands).*

3:20 Elbie Bentley*, University of South Carolina, *A Historical Expedition Atlas in the Narrative Form.*

3:40 John Baldrige, PhD*, The Evergreen State College, *The US Census and Working Women, 1900-Present: Data, Trends, and Maps.*

4:00 Patrick McHaffie*, Depaul University, *Reading Maps Socially.*

1579. Public/Private Spaces

Room: *Grand Ballroom A - Sheraton Hotel, Second Floor*

(Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Michelle Palma, University of Georgia

2:40 Pascale Nedelec*, University Lyon 2, *Towards a privatization of urbanism? Master planned communities and the City.*

3:00 Sonya Glavac*, University of New England; Andrew Kirby, Arizona State University, *Private vs Public Neighborhoods: Differences in Neighborliness and Levels of Neighborhood Satisfaction.*

3:20 Robert Kinlocke*, University of the West Indies, *Fortified enclaves, fear and attachment to place in a fragmented city.*

3:40 Chris Livengood, ASP*, Indiana University of Pennsylvania; Richard Hoch, Ph.D., AICP, Indiana University of Pennsylvania, *Analysis of public and private space within urban mimicry. Case study: The Waterfront and Southside Works infills in Pittsburgh, Pennsylvania.*

4:00 Michelle Palma*, University of Georgia, *Access Malibu: Constructing an exclusive public coast.*

1580. Spatial Data from the Crowd

Room: *Grand Ballroom B - Sheraton Hotel, Second Floor*

(Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): William Cartwright, RMIT University

2:40 Lawrence A Wadsworth*, University of Colorado at Colorado Springs; Janice Mikel*, University of Colorado at Colorado Springs; Paddington Hodza, University of Colorado at Colorado Springs, *A Geospatial Tweet Map Interface for Public Emergency Response Information.*

3:00 Donald Cooke*, Esri, *Authoritative VGI under a Creative Commons License.*

3:20 Xining Yang*, The Ohio State University; Daniel Z. Sui, The Ohio State University, *Methods of Data Integration for Volunteered Geographic Information: An inventory of existing approaches.*

3:40 William Cartwright, PhD, EdD*, RMIT University, *Mashups, crowdsourcing and self-generated maps: considering the value of neocartography products.*

1581. Beyond School: Geographies of Informal and Alternative Learning Practices II

Room: *Grand Ballroom C - Sheraton Hotel, Second Floor*

(Paper Session)

ORGANIZER(S): Sarah Mills, Aberystwyth University; Peter Kraftl, University of Leicester

CHAIR(S): Peter Kraftl, University of Leicester

2:40 Denise Dixon Goerisch*, San Diego State University, *Cookies for a Change: Countering Neoliberalism in Spaces of Alternative Economies in the Girl Scout Cookie Sales.*

3:00 Sarah Mills*, Aberystwyth University, *'Education for Social Change': Cultural and Historical Geographies of the Woodcraft Folk.*

3:20 Richard Davies*, Senior Lecturer, Youth and Community, De Montfort University; Isabel Cartwright, senior lecturer*, De Montfort University, *Youth work and informal education in contested spaces.*

3:40 Luke A Dickens, Dr.*, Youth Music, *Music rehearsal spaces: nurturing creativity, tackling deprivation, building community.*

4:00 Gregory Donovan*, CUNY Graduate Center, *iLearn: Space, Time and Social (Re)Production in Young People's Informational Environments.*

TUESDAY, APRIL 12 • 2:40 PM - 4:20 PM • 1500**1582. Contemporary Land Grabs I: Implications for Theory, Method and Protest**

Room: *Grand Ballroom D - Sheraton Hotel, Second Floor*
(Panel Session)

ORGANIZER(S): Wendy Wolford, University Of North Carolina at Chapel Hill; Benjamin Gardner, University of Washington Bothell

CHAIR(S): Wendy Wolford, University Of North Carolina at Chapel Hill

Panelists: Julianne A Hazlewood, University of Kentucky; Benjamin Gardner, University of Washington Bothell; Benjamin Neimark, Temple University; Joshua Muldavin, Sarah Lawrence College; Lucy Jarosz, University of Washington

1583. Local Economic Development

Room: *Juniper Room - Sheraton Hotel, Second Floor* (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Arturo E Osorio, Rutgers

2:40 Marvin Taylor*, University of Minnesota - Twin Cities, *Stagnant Geographies and Venturesome Capital: Economic Growth in Minnesota during the Mid-20th Century.*

3:00 Filippo Randelli*, University of Florence (Italy); Francesco Dini, University of Florence (Italy), *The constrained evolution of regions: how historical cycles matter.*

3:20 Haifeng Qian*, Cleveland State University, *The impact of small business support programs on new business formation.*

3:40 Arturo E Osorio, Ph.D.*, Rutgers; dt ogilvie, Ph.D., Rutgers, *A Ground Level Perspective on Collaborative Urban Renaissance through Entrepreneurial Participation.*

4:00 Drew A. Gertner, MBA*, Newcastle University Business School, *Science Cities: Understanding the incubation process and its role in the development of spin-offs.*

1586. Tourism Geography

Room: *Willow A - Sheraton Hotel, Second Floor* (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Carter Hunt, Stanford University

2:40 Nathan Bennett, PhD Candidate*, University of Victoria/Trudeau Foundation; Raynald Harvey Lemelin, Associate Professor, Lakehead University; Rhonda Koster, Associate Professor, Lakehead University; Isabel Budke, Program Manager, Design Centre for Sustainability, UBC, *A Capitals Framework for Appraising and Building Capacity for Tourism Development in Aboriginal Protected Area Gateway Communities.*

3:00 Lisa Braverman*, Arizona State University, *Persuasive Performativity in Israeli Birthright Tourism.*

3:20 Ghada Adel Masri, Ph.D.*, Marymount College, *(In) Security, Surveillance and Halal Tourism.*

3:40 Carter A. Hunt*, Stanford University; William H. Durham, Stanford University, *Is Tourism Certification Working? Assessing Costa Rica's Certificate for Sustainable Tourism (CST).*

1587. Marine Mapping for Spatial Planning and Recreation

Room: *Willow B - Sheraton Hotel, Second Floor* (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): David Twichell, U.S. Geological Survey

2:40 Shinichi Kobara*, Texas A&M University; Matthew Howard, Texas A&M University; Chris Simoniello, University of South Florida; Ann E Jochens, Texas A&M University, *Web map applications for recreational boaters and fishermen in the Gulf of Mexico.*

3:00 Katrina Laygo*, NASA - DEVELOP Student Program, Jet Propulsion Laboratory; Ian Jones, NASA - DEVELOP Student Program, Jet Propulsion Laboratory; Jose Huerta, NASA - DEVELOP Student Program, Jet Propulsion Laboratory; Samantha Roth, NASA - DEVELOP Student Program, Jet Propulsion Laboratory; Eric Burton, NASA - DEVELOP Student Program, Jet Propulsion Laboratory, *Gulf of Mexico Ecological Forecasting: Synthetic Aperture Radar Data Decision Support for Atlantic Bluefin Tuna Population Assessment and Management in the Gulf of Mexico.*

3:20 Allison Wittrock*, National Oceanic and Atmospheric Administration (NOAA), *National Oceanic and Atmospheric Administration and the US Army Corps of Engineers: Partners in Data Management for Navigation.*

3:40 Will McClintock, Ph.D.*, University of California Santa Barbara; Matthew Merrifield, The Nature Conservancy; Charles Steinback, Ecotrust; Zach Ferdana, The Nature Conservancy; Chad Burt, University of California Santa Barbara, *MarineMap for Comprehensive Marine Spatial Planning.*

4:00 David C Twichell, PhD*, U.S. Geological Survey; James Flocks, U.S. Geological Survey; Dawn Lavoie, U.S. Geological Survey; John Baehr, U.S. Army Corps of Engineers, *Mapping the Shallow Geologic Framework of the Mississippi Inner Continental Shelf.*

TUESDAY, APRIL 12 • 4:40 PM - 6:20 PM • 1600**1603. International Research on Spatial Thinking: Implications for Education and Professional Development (Sponsored by International Network for Learning & Teaching Geography in Higher Education (INLT))**

Room: 603 - Washington State Convention Center, Level 6
(Panel Session)

ORGANIZER(S): Michael N. Solem, Association of American Geographers

CHAIR(S): Yasushi Asami, The University of Tokyo

Introducer: Michael N. Solem

Panelists: Robert S. Bednarz, Texas A&M University; Minori Yuda, University of Tokyo; Keiji Yano; Colin Arrowsmith, RMIT University; Toru Ishikawa, University of Tokyo; Yoshiki Wakabayashi, Tokyo Metropolitan University; Shin Murakoshi, Shizuoka University; David Higgitt, National University of Singapore

1604. Human Impacts on Watershed Processes III - Ecological Processes & Watershed Modeling (Sponsored by Geomorphology Specialty Group, Water Resources Specialty Group, Mountain Geography Specialty Group)

Room: 604 - Washington State Convention Center, Level 6
(Paper Session)

ORGANIZER(S): Shixiong Hu, Dept. of Geography, East Stroudsburg University of PA; Katie Price, US EPA
CHAIR(S): Katie Price, US EPA

4:40 Carlos E Ramos-Scharron, Ph.D.*, Island Resources Foundation and Dept. of Geography & the Environment, UT-Austin; Edwin Hernandez-Delgado, Center for Applied Tropical Ecology and Conservation-U. of Puerto Rico; Kynoch Reale-Munroe, Univ. of the Virgin Islands and VI-Resource Conservation & Development Council; Damaris Torres-Pulliza, Synoptika Solutions, Ltda., *Effects of land use changes on watershed sediment yields and marine habitat degradation in the Northeastern Caribbean.*

5:00 Shixiong Hu*, Department of Geography, East Stroudsburg University of PA; Scott Collenburg, Department of Biological Science, East Stroudsburg University of PA, *Identifying Coldwater Fish Species Distribution In Response To Environmental Variables In Paradise Creek Watershed, Northeastern PA.*

5:20 Martin Lafrenz*, Portland State University, *Soil Ripening Following Dam Removal.*

5:40 Linda Madorma*, Southern New Hampshire Planning Commission/Plymouth State University, *A GIS Approach to Determine the Relationship of Impervious Surface Cover to Water Quality and Macroinvertebrate Biodiversity of the Waukewan Watershed, Meredith, NH.*

6:00 Robert T. Pavlowsky*, Missouri State University; William P Dryer, U.S. Forest Service, Juneau, AL., *Debris Flows and Coastal Sedimentation Caused by Catastrophic Flooding, Bluefields River, Southwestern Jamaica.*

1611. Landscapes out of place? Political ecologies of exurbia 3: Regions and cultures (Sponsored by Cultural and Political Ecology Specialty Group, Rural Geography Specialty Group, Human Dimensions of Global Change Specialty Group)

Room: 611 - Washington State Convention Center, Level 6
(Paper Session)

ORGANIZER(S): Laura Taylor, York University; Patrick T. Hurley, Ursinus College

CHAIR(S): Patrick T. Hurley, Ursinus College

4:40 Laura Taylor*, York University, *A political ecology of exurbia: sprawl, stewardship and activism.*

5:00 Patrick T. Hurley*, Ursinus College; Yilmaz Ari, Ph.D., Balikesir University, *The foreigners are taking over? A political ecology of uneven exurban development in the Ida Mountains of western Turkey.*

5:20 Anne Short*, Boston University, *Uneven governance and management of transitioning rural landscapes: insights from the United States and Australia.*

5:40 Lee Cerveny*, Pacific Northwest Research Station, Seattle; Jenna H Tilt, Ph.D., Oregon State University; Jeff Kline, Ph.D., Pacific Northwest Research Station, Corvallis, *Patterns of Exurban Development in the Puget Sound.*

6:00 James D. Proctor*, Lewis and Clark College, *Mapping Exurban Meanings in Oregon.*

1612. Natures of Contention: At the Intersection of Political Ecology and Social Movements: III (Sponsored by Cultural and Political Ecology Specialty Group, Development Geographies Specialty Group)

Room: 612 - Washington State Convention Center, Level 6
(Paper Session)

ORGANIZER(S): Brent McCusker, West Virginia University; Jeremia Njeru, West Virginia University

CHAIR(S): Bradley Wilson, West Virginia University

4:40 Sya Buryan Kedzior*, University of Kentucky, *Politics of Environmental Knowledge in Anti-Pollution Struggles on India's Ganges River.*

5:00 Kate Parizeau*, University of British Columbia, *Negotiating the Urban Circulation of Waste in Buenos Aires, Argentina.*

5:20 Jeremia Njeru*, West Virginia University, *Reclaiming Public Green Spaces in Nairobi, Kenya: The Political Ecology of Struggle Over Karura Forest Reserve..*

5:40 Dana Kornberg*, University of Michigan, Sociology, *Clean and Green?: India's Cities Manage Solid Waste.*

Discussant(s): Gerda R. Wekerle, York University

1613. Geographies of Intelligence and Counter-Intelligence (Sponsored by Political Geography Specialty Group, Ethics, Justice, and Human Rights Specialty Group, Historical Geography Specialty Group)

Room: 613 - Washington State Convention Center, Level 6
(Paper Session)

ORGANIZER(S): Jeremy Crampton, Georgia State University; Trevor J. Barnes, University Of British Columbia

CHAIR(S): Jeremy Crampton, Georgia State University

4:40 David Murakami Wood*, Queen's University, *Reterritorializing of the Hidden Geography of Transnational Surveillance: New Geographies of SIGINT and the 'Open-Source Insurgency'.*

5:00 Merje Kuus*, University Of British Columbia, *Geopolitical Expertise in Brussels: The National and the Transnational.*

5:20 Richard Nisa*, Rutgers University, *Processing Enemy Identity: Technologies of Intelligence and U.S. Military Detention After the Geneva Conventions.*

5:40 Michael Heffernan*, University of Nottingham, *Geography and Espionage: The Lives of Sándor Radó.*

6:00 Steve McClure*, George Mason University; Nigel M Waters, George Mason University, *Strategic intelligence for the Social movements: GISsci and civic engagement in Northern Virginia.*

TUESDAY, APRIL 12 • 4:40 PM - 6:20 PM • 1600

- 1614. Morphological measurement using close range photogrammetry and laser scanning (ISPRS V6) (Sponsored by Geomorphology Specialty Group)**
Room: 614 - Washington State Convention Center, Level 6
(Paper Session)
ORGANIZER(S): Jim H. Chandler, Loughborough University
CHAIR(S): Jim H. Chandler, Loughborough University
Introducer: Jim H. Chandler
4:45 Subhajit Ghoshal*, University of South Carolina; Allan James, PhD, University of South Carolina, *Floodplain and Channel Change Analysis Using DEM Differencing: Lower Yuba River, California.*
5:05 James T Dietrich*, Texas State University - San Marcos; Mark A. Fonstad, Texas State University - San Marcos; Brittney C. Courville, Texas State University - San Marcos; Jennifer L. Jensen, Texas State University - San Marcos, *High Resolution, Automated, Low-cost Topographic Mapping with Microsoft Photosynth.*
5:25 J T Gardner, PhD*, Stantec; P E Ashmore, PhD, University of Western Ontario, *Monitoring morpho-dynamics and sediment-dynamics in a gravel-bed braided river model using close-range digital photogrammetry.*
5:45 Jim H. Chandler, Prof.*, Loughborough University; Rene Wackrow, Dr, Loughborough University; Dirk Rieke-Zapp, Dr, University of Berne, *Morphological Measurement Using Close Range Digital Photogrammetry- Guidance From ISPRS V6.*
6:00 Tyler J Depke*, Texas A&M University; John R Giardino, PhD, Texas A&M University; John D Vitek, PhD, Texas A&M University, *Observing short-term channel adjustments in a human-modified river using time-lapse and repeat photographs: Uncompahgre River, Colorado, USA.*
- 1615. Feminist approaches in geography practice (Sponsored by Geographic Perspectives on Women Specialty Group)**
Room: 615 - Washington State Convention Center, Level 6
(Paper Session)
ORGANIZER(S): Deborah Thien, California State University, Long Beach
CHAIR(S): Rebecca Burnett, University of Washington
4:40 Dana Cuomo*, Pennsylvania State University, *Borders, Bodies, and Belonging: Sex Trafficking in the United States.*
5:00 Petra Hroch*, University of Alberta, *Subjectivity, Space and Sustainable Environmental Relations: New Materialist Feminist Approaches.*
5:20 Rebecca Lane*, University of Kentucky, *Discretion and Transgression in Performing Public Breastfeeding: The Case of Lexington, KY.*
5:40 Rebecca Burnett, PhC*, University of Washington, *Reworking Welfare: A Geographic Approach to New Poverty Studies.*
- 1616. A Flat (not so) Green Place - Irrigation, Fertilizers, and Drylands**
Room: 616 - Washington State Convention Center, Level 6
(Paper Session)
This session is a continuation of the previous timeslot, 1418.
- 1617. Eurasian homelands 3: issues of economic and agricultural development in modern Eurasian spaces (Sponsored by Russian, Central Eurasian, and East European Specialty Group)**
Room: 617 - Washington State Convention Center, Level 6
(Paper Session)
ORGANIZER(S): Jessica K. Graybill, Colgate University
CHAIR(S): Jessica K. Graybill, Colgate University
4:40 Semiha Caliskan*, University of Oklahoma; Kirsten de Beurs, University of Oklahoma, *Detecting Agricultural Change Russia with MODIS data.*
5:00 Petr Baklanov*, Pacific Institute of Geography Far Eastern Branch of Russian Academy of Sciences, *The Pacific Russia: Problems and Factors of the Sustainable Development.*
5:20 Tatiana N. Serebriakova, Ph.D.*, University of Connecticut; Vladimir Lezin, Ph.D., Department of Physical Geography, Tyumen State University, Russia, *Lakes Bottom Deposits and Their Economic Value in Industrial-Agricultural Sector of Western Siberia.*
5:40 Jake Fleming*, University of Wisconsin - Madison, *Second World Political Ecology? Post-Socialism and the Politics of Nature in Kyrgyzstan's Walnut-Fruit Forest.*
Discussant(s): Jessica K. Graybill, Colgate University
- 1618. Building and Sustaining Community-University Partnerships in Marginalized Urban Areas (Sponsored by Geography Education Specialty Group)**
Room: 618 - Washington State Convention Center, Level 6
(Paper Session)
ORGANIZER(S): Ahmed Allahwala; Susannah Bunce, University of Toronto
CHAIR(S): Ahmed Allahwala
Panelists: Lesley Beagrie, York University; Timothy Hawthorne, Columbus State University; Marcia R. England, Miami University; Susannah Bunce, University of Toronto; David Wilson, University Of Illinois; Jurgen Von Mahs, The New School
- 1619. Part III: Panel Discussion - Teaching and Learning Geography at a Distance: What's New and Exciting? (Sponsored by Geography Education Specialty Group)**
Room: 619 - Washington State Convention Center, Level 6
(Paper Session)
ORGANIZER(S): Richard B. Schultz, Elmhurst College; Michael N. DeMers, New Mexico State University
CHAIR(S): Richard B. Schultz, Elmhurst College
Panelists: Bruce L. Seivertson, Imperial Valley College; Richard B. Schultz, Elmhurst College; Michael N. DeMers, New Mexico State University; Mark R. Hafen, Univ of South Florida; Michelle D Sievertson
- 1620. Agamben's Ontology II: Space, Power & Ethics**
Room: 620 - Washington State Convention Center, Level 6
(Paper Session)
ORGANIZER(S): Najeeb A. Jan, University of Colorado; Joshua Barkan, University of Georgia
CHAIR(S): Joel D Wainwright, The Ohio State University
Introducer: Claudio Minca
Discussant(s): Joel D Wainwright, The Ohio State University
Panelists: Oliver Christian Belcher, University of British Columbia; Gerry Kearns, Virginia Polytechnic & State University; Jeff Malpas, University of Tasmania

TUESDAY, APRIL 12 • 4:40 PM - 6:20 PM • 1600

- 1624. Hub Cities and the Knowledge Economy. Airports. Seaports. Brainports. (3) (Sponsored by Urban Geography Specialty Group, Economic Geography Specialty Group)**
Room: 301 - Washington State Convention Center, Level 3
(Paper Session)
ORGANIZER(S): Sven Conventz, Technical University of Munich; Alain Thierstein, Munich University of Technology
CHAIR(S): Alain Thierstein, Munich University of Technology
4:40 Anne Langer-Wiese*, TUM, *Does the port anchor the flow? European port cities between spatial ambitions and functional realities.*
5:00 Katrien Plasschaert*, Ghent University ? Geography Department; Ben Derudder, Ghent University ? Geography Department; Wout Dullaert, University of Antwerp - ITMMA; Frank Witlox, Ghent University ? Geography Department, *Interdependencies between hub cities: redefining the Hamburg-Le Havre range in maritime networks.*
5:20 Emmanouil Tranos, Dr*, Newcastle University; Andy Gillespie, Prof, Newcastle University, *Digital infrastructure and the knowledge economy: an urban studies perspective of a telecommunications system.*
5:40 Edward J Malecki*, Ohio State University, *Hub Cities in the Network of Networks: Agglomeration in the Evolving Internet.*
6:00 Mike Crang*, Durham University, *Global Waste Flows, Hubs, Knowledge Networks and Dirty Secrets.*

- 1626. Dendrochronology III: Dendrochronological Applications III (Sponsored by Paleoenvironmental Change Specialty Group, Biogeography Specialty Group)**
Room: 303 - Washington State Convention Center, Level 3
(Paper Session)
ORGANIZER(S): Christopher M. Gentry, Austin Peay State University; James H. Speer, Indiana State University
CHAIR(S): Ross Alexander, Indiana State University
4:40 Jerry D Davis*, San Francisco State University; Adam W Davis, Univ of California, Berkeley; Brian Harvey, University of Wisconsin, Madison, *Motorcycles and forest expansion: Applying historical remote sensing and dendrochronology to understand LULC change at Pedro Point Headlands, San Mateo County, California, 1941 to 2010.*
5:00 Douglas P Metcalf*, Brigham Young University; Matthew F Bekker, Associate Professor, Brigham Young University, *Tree-ring Responses to the 1983 Borah Peak (ID) Earthquake and Co-seismic Debris Flow.*
5:20 Wayne L Hamilton*, CICESE; Steven H Bullock, CICESE; Juan F. Martinez-Ozuna, CICESE, *Measurement of Pine Tree Sway; Implications for Wind-caused Eccentricity and Damage.*
5:40 Donald G. Sullivan*, University Of Denver; John Sakulich, University of Tennessee, *Dendrochronologic and Biologic Evidence for Little Ice Age Lake Levels From Western Colorado.*
6:00 Jeffrey M Harris, Graduate Student*, Southern Illinois University Carbondale, *A Dendrochronological Determination of Historical Fire Occurrence and Recruitment in Southern Illinois Oak-Hickory Forests.*

- 1627. Historical Perspectives on Population Change (Sponsored by Population Specialty Group)**
Room: 304 - Washington State Convention Center, Level 3
(Paper Session)
ORGANIZER(S): Rachel S. Franklin, Brown University
CHAIR(S): Peter A. Rogerson, SUNY - Buffalo
4:40 David Grossman*, Bar-Ilan University, *Rural Population of Palestine circa 1870.*
5:00 Caroline A Treacy*, National Centre for Geocomputation; Mary Kelly, National Centre for Geocomputation, *Long-term population change in Ireland 1841-2006: a geographical analysis.*
5:20 Zengwang Xu*, Brown University, *Net migration and growth in Texas 1950-2000: A county-level investigation.*
5:40 Josep Puig, Mr*, Universidade Nova de Lisboa, *A spatial analysis of patterns of population distribution in the Iberian Peninsula (1850-2001).*
6:00 Peter A. Rogerson*, SUNY - Buffalo, *Internal Migration in the United States: 1870-1880.*

- 1628. Environmental Health Geographies and Social Injustice II (Sponsored by Africa Specialty Group, Health and Medical Geography Specialty Group)**
Room: 305 - Washington State Convention Center, Level 3
(Paper Session)
ORGANIZER(S): Florence M. Margai, Binghamton University; Isaac N. Luginaah, University of Western Ontario
CHAIR(S): Isaac N. Luginaah, University of Western Ontario
Introducer: Fei Meng
5:00 Dana Oppenheim Stein*, University of South Florida, *'Food Deserts' in Hillsborough County, Florida: Unequal Access to Fast-Food Outlets and Supermarkets.*
5:20 Ellena Andoniou, MSc, MPH*, The University of Western Ontario; Isaac N. Luginaah, PhD, CRC, The University of Western Ontario, *Women's Empowerment through a Community-based Probiotic Food Project in Rachuonyo District, Kenya.*
5:40 Isaac N. Luginaah*, University of Western Ontario, *Abandoning the farms in search of food: Distress migration from the Upper West Region of Ghana.*

- 1629. Paleoenvironments and Climate Change in Western North America: Lessons from the Past, Prospects for the Future III (Sponsored by Paleoenvironmental Change Specialty Group, Climate Specialty Group, Biogeography Specialty Group)**
Room: 306 - Washington State Convention Center, Level 3
(Paper Session)
ORGANIZER(S): Jesse Morris, University of Utah; David F Porinchu, Ohio State University
CHAIR(S): David F Porinchu, Ohio State University
4:40 Cary J. Mock*, University of South Carolina; Stephen Feetham, University of South Carolina; Kathryn L Perkins, University of Arkansas; Stephanie F Dodds, University of South Carolina, *High Resolution Climatic Variations in Southeastern Alaska since the early Nineteenth Century.*
5:00 Gregory T Pederson, Ph.D.*, U.S. Geological Survey; Stephen T Gray, Ph.D., University of Wyoming; Connie A Woodhouse, Ph.D., University of Arizona; Julio L Betancourt, Ph.D., U.S. Geological Survey; Daniel B Fagre, Ph.D., U.S. Geological Survey; Jeremy S Littell, Ph.D., University of Washington; Emma Watson, Ph.D., Environment Canada; Brian H Luckman, Ph.D., University of Western Ontario; Lisa J Graumlich, Ph.D., University of Washington, *A millennium of snowpack variability and change in the North American Cordillera.*

TUESDAY, APRIL 12 • 4:40 PM - 6:20 PM • 1600

- 5:20** Holly L Faulstich, MA Candidate*, The University of Arizona, School of Geography and Development, Laboratory of Tree-Ring Research; Connie A Woodhouse, Ph.D, The University of Arizona, School of Geography and Development, Laboratory of Tree-Ring Research; Daniel Ferguson, Climate Assessment for the Southwest, The University of Arizona, Institute of the Environment; Michael A Crimmins, Ph.D, Climate Science Extension Specialist, The University of Arizona, Department of Soil, Water, and Environmental Science, *Tree-ring Reconstruction of Drought on Tribal Lands of Northeastern Arizona.*
- 5:40** Vachel Carter*, University of Utah, *European settlement in the Medicine Bow Range: A pre-and post-settlement forest disturbance reconstruction.*
- 6:00** Stephanie Fowler Dodds*, University of South Carolina, *Winter Precipitation Reconstruction for the West Coast of North America Using Documentary and Instrumental Sources.*
- 1630. Double Exposures and Intersecting Crises II: Multiple stressors, emerging vulnerabilities and adaptation challenges (Sponsored by Human Dimensions of Global Change Specialty Group, Hazards Specialty Group, Economic Geography Specialty Group)**
- Room:* 307 - Washington State Convention Center, Level 3
(Paper Session)
ORGANIZER(S): James M Jeffers, Rutgers University; Robin Leichenko, Rutgers University
CHAIR(S): James M Jeffers, Rutgers University
- 4:40** Gail Hollander*, Florida International University, *Miami's Double Exposures: Social Justice and the Coastal City.*
- 5:00** Robin Leichenko*, Rutgers University, *Climate Change and Globalization: Double Exposures in Coastal New Jersey.*
- 5:20** Elisabeth A. Stoddard, M.S.*, Clark GSG; Colin Polsky, Ph.D., Clark GSG, *Where Are the Animals? Filling a Gap in Vulnerability Literature.*
- 5:40** Asher Siebert*, Rutgers University, *Opportunities and Obstacles for Climate Risk Management via Insurance in the West African Sahel.*
- Discussant(s): Margaret Wilder, University of Arizona
- 1631. The blue frontier: linking projects, processes, and politics in oceans governance III (Sponsored by Cultural and Political Ecology Specialty Group, Human Dimensions of Global Change Specialty Group, Coastal and Marine Specialty Group)**
- Room:* 308 - Washington State Convention Center, Level 3
(Paper Session)
ORGANIZER(S): Jennifer J. Silver, Duke University; Rebecca Gruby, Duke University
CHAIR(S): Noëlle Boucquey, Duke University
- 4:40** Luke W Fairbanks*, Duke University, *Understanding conflicts over shellfish aquaculture and bottom leases in coastal North Carolina.*
- 5:00** Jennifer J. Silver*, Duke University, *Humble filter-feeders, or demanding invaders? Unsettling industrial shellfish aquaculture in British Columbia, Canada.*
- 5:20** Karen Hebert*, Yale University, *Fishing for Certification: New Channels in the Transformation of Alaska Salmon.*
- 5:40** Emily Martens*, University of Miami, *Offshore Oil Policy in Florida: A look at the interplay between US 'energy security' and environmental activism.*
- Discussant(s): Becky Mansfield, Ohio State University
- 1633. Geographies of Media III: Filmic cultures (Sponsored by Political Geography Specialty Group, Cultural Geography Specialty Group, Communication Geography Specialty Group)**
- Room:* 310 - Washington State Convention Center, Level 3
(Paper Session)
ORGANIZER(S): Jason Dittmer, University College London; James Craine, California State University Northridge
CHAIR(S): Joseph Palis, North Carolina State University
- 4:40** James Craine*, California State University Northridge; Giorgio Hadi Curti, San Diego State University, *Videodrome: Urban Fabric and the Cathode Ray Tube.*
- 5:00** Julie Cupples*, University of Canterbury; Kevin Glynn, University of Canterbury, *Popular geopolitics and cultural studies: Shifting US hegemony and gender relations in Commander in Chief.*
- 5:20** Kevin E. McHugh*, Arizona State University; Jennifer L. Kitson, Arizona State University, *The Distance Between: Filmic Spaces and Aging.*
- 5:40** Joseph Palis*, North Carolina State University, *The Afterlife of Cartographic Cinema, or the Unmappable Terrain in and of Kelly Reichardt's Films.*
- 6:00** Jo Ellen Fair, Professor*, Univ. of Wisconsin-Madison, *YouTube Makes Dystopia: Warring Liberia Again and Again.*
- 1634. Geographies of Palestinian Solidarity: Boycotts & Backlashes across Borders & Scales (II) (Sponsored by Socialist and Critical Geography Specialty Group)**
- Room:* 3A - Washington State Convention Center, Level 3
(Panel Session)
ORGANIZER(S): Omar Jabary Salamanca; Ron Smith, University of Washington
CHAIR(S): Punam Khosla, York University
Panelists: Patrick Bond, University of KwaZulu-Natal; Anna Zalik; Bruce Braun, University of Minnesota - Minneapolis; Rabab Ibrahim Abdulhadi, Arab and Muslim Ethnicities and Diasporas Initiative (AMED), SFSU
- 1635. Urban Housing**
- Room:* 3B - Washington State Convention Center, Level 3
(Paper Session)
ORGANIZER(S): Program Committee
CHAIR(S): Aman Gill, McMaster University, School of Geography & Earth Sciences
- 4:40** Elina Eskelä, Ph.D. Candidate*, University of Helsinki, Department of Geosciences and Geography, *Creative class and housing: the case of skilled migrants in Helsinki.*
- 5:00** Yeon-Taek Ryu*, Chungbuk National University, South Korea, *Critical Reflections on Ecological, Neo-classical, Behavioral, and Managerial Perspectives on Urban Housing and Residential Structure.*
- 5:20** Santanu K Patnaik, Dr*, Rajiv Gandhi University, *Urban Housing in Mountainous Terrain: A Geomorphological Appraisal Using GIS Techniques.*
- 5:40** Yuhong Zhou*, UNC at Charlotte; Jean-Claude Thill, UNC at Charlotte, *Land development and housing trends and their policy implications: The case of Charlotte, NC.*
- 6:00** Aman Gill*, McMaster University, School of Geography & Earth Sciences, *Changing marketing strategies in the North American house building industry: From mass production and mass markets towards niche markets and consumer segmentation, c. 1945-2000.*

TUESDAY, APRIL 12 • 4:40 PM - 6:20 PM • 1600**1636. Climate, Land Use, and Water Sustainability in Urban Environments (Sponsored by Human Dimensions of Global Change Specialty Group, Urban Geography Specialty Group, Water Resources Specialty Group)**

Room: 201 - Washington State Convention Center, Level 2
(Paper Session)

ORGANIZER(S): Heejun Chang, Portland State University; Kelli L. Larson, Arizona State University

CHAIR(S): Heejun Chang, Portland State University

4:40 Bethany C. Pratt*, Portland State University; Heejun Chang, Portland State University; Alan Yeakley, Portland State University; Noelwah Netusil, Reed College; John Harrison, Washington State University; Paul Thiers, Washington State University; Stephen M Bollens, Washington State University; Gretchen Rollwagen-Bollens, Washington State University, *Effects of land use and governance on water quality in Portland and Vancouver metropolitan areas.*

5:00 Kelli L. Larson, Ph.D.*, Arizona State University, *Place Vulnerability of Community Water Systems: A Comparative Approach.*

5:20 Patricia Gober*, Arizona State University; Ariane Middel, Arizona State University; Anthony Brazel, Arizona State University; Soe Myint, Arizona State University; Heejun Chang, Portland State University; Jiunn-Der Duh, Portland State University; Lily House-Peters, Portland State University, *Tradeoffs Between Water Conservation and Temperature Amelioration in Phoenix and Portland: Implications for Urban Sustainability.*

5:40 Heejun Chang*, Portland State University; Cale Garrett, Portland State University; Pat Gober, Arizona State University, *Space and time analysis of urban water demand in a changing climate.*

Discussant(s): Colin Polsky, Clark University

1638. Sustainable Communities

Room: 203 - Washington State Convention Center, Level 2
(Panel Session)

ORGANIZER(S): Alison Blay-Palmer, Wilfrid Laurier University

CHAIR(S): Alison Blay-Palmer, Wilfrid Laurier University

Panelists: Julian Agyeman, Tufts University; Roger Keil, York University; Mark Roseland, Simon Fraser University; Terry Marsden, Cardiff University

1639. Remote Sensing Applications in Forestry (Sponsored by Remote Sensing Specialty Group)

Room: 204 - Washington State Convention Center, Level 2
(Paper Session)

ORGANIZER(S): L. Monika Moskal, University of Washington

CHAIR(S): GUANG ZHENG, University of Washington

4:40 Mary C Henry*, Miami University; Sarah E Lawlor, Miami University; David L Gorchov, Miami University, *Comparison of EO-1 ALI and Landsat TM data for assessing forest stand attributes in temperate deciduous forest in southwest Ohio.*

4:56 Robin Kraft*, University of Maryland; Dan Hammer*, University of Maryland, *Near-Real Time Identification of Forest Clearing Across the Humid Tropics Using MODIS Data.*

5:12 Guangxing Wang*, Maozhen Zhang, *Spatial uncertainty analysis for GIS and remote sensing mapping by combining sequential Gaussian co-simulation and polynomial regression.*

5:28 Xiaolin Zhu*, Department of Geography, the Ohio State University, Columbus, OH, 43210, United States; Desheng Liu, Department of Geography, the Ohio State University, Columbus, OH, 43210, United States; Shanshan Cai, Department of Geography, the Ohio

State University, Columbus, OH, 43210, United States, *Mapping the forest distribution based on synthetic Landsat time-series in Appalachian Ohio.*

5:44 Manqi Li*, SUNY College of Environmental Science and Forestry; Jungho Im, SUNY College of Environmental Science and Forestry, *Forest Classification and Change Analysis Using Multi-temporal Landsat Images over Huntington Wildlife Forest.*

6:00 Jianjun Ge*, Oklahoma State University, *Satellite observed post-fire effects on surface temperature in boreal forest.*

1640. Geographies of Everyday (Im)mobilities III (Sponsored by Qualitative Research Specialty Group, Transportation Geography Specialty Group)

Room: 205 - Washington State Convention Center, Level 2
(Paper Session)

ORGANIZER(S): David Butz, Brock University; Nancy E. Cook, Brock University

CHAIR(S): Nancy E. Cook, Brock University

4:40 Chris McMorran*, National University of Singapore, *Moving with No Place to Go: Gendered Job (Im) Mobility in Japan.*

5:00 Sara Pereira Brando Albino, Researcher*, University of Lisbon - Centre for Geographical Studies, *Breaking down the borders - everyday youth mobility in Europe and the social perception of city space.*

5:20 Caleb Johnston*, University of British Columbia, Department of Geography, *(Im)mobilities in Liberalizing Ahmedabad, or, "They're turning us into nomads again".*

5:40 David Butz*, Brock University; Nancy E. Cook*, Brock University, *De/Remobilizing after the Atta Abad Rockslide Disaster, Pakistan.*

1641. Educating a Workforce Literate in Cyberinfrastructure (Sponsored by Cyberinfrastructure Specialty Group, Geography Education Specialty Group)

Room: 206 - Washington State Convention Center, Level 2
(Paper Session)

ORGANIZER(S): Robert Raskin, Jet Propulsion Lab

CHAIR(S): Robert Raskin, Jet Propulsion Lab

4:40 Deana D. Pennington, PhD*, University of Texas at El Paso, *The Cyber-ShARE Networked Learning Environment.*

5:00 Osvaldo Muniz*, Texas State University, San Marcos, *Virtual Flow 2: New exploration about networking in geography education.*

5:20 Donald Janelle*, University of California, Santa Barbara, *TeachSpatial: A Portal to Instructional Resources on Spatial Concepts.*

5:40 Katherine H. Weimer, MLIS*, Texas A & M University Libraries, *A Career Alternative for the Geography Graduate: Geographic Information Manager or Map Librarian.*

6:00 Rodney Jackson, GISP, National Geospatial Technology Center of Excellence; Rodney Jackson*, National GeoTech Center, *The Geospatial Technology Competency Model and GIS Certification.*

1642. Vulnerability and Resilience Research at the U.S. Geological Survey, part 2 (Sponsored by Hazards Specialty Group)

Room: 211 - Washington State Convention Center, Level 2
(Paper Session)

ORGANIZER(S): Nathan Wood, United States Geological Survey

CHAIR(S): Nathan Wood, United States Geological Survey

4:40 Mathew C. Schmidlein*, California State University, Sacramento; Nathan J. Wood, USGS Western Geographic Science Center, Vancouver, Washington,

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- Influence of modeling approaches and data inputs on pedestrian tsunami-evacuation modeling in the U.S. Pacific Northwest.*
- 5:00** Paul Hearn*, United States Geological Survey; John Aguinaldo, Harris IT Systems; Ami Rahav, Harris IT Services; Jonathan Musser, U.S. Geological Survey, *A Prototype Web-based Flood Inundation Map Viewer and Flood Loss Estimator for Albany, Georgia.*
- 5:20** Tim G. Frazier, Dr.*, University of Idaho; Nathan Wood, Dr., The United States Geological Survey; Brent Yarnal, Dr., The Pennsylvania State University, *Influence of potential sea level rise on contemporary and future hurricane storm-surge hazard zones and societal vulnerability in Sarasota County, Florida.*
- 5:40** Nathan Wood*, United States Geological Survey; Heather Baron, College of Oceanic and Atmospheric Sciences, Oregon State University; Peter Ruggiero, College of Oceanic and Atmospheric Sciences, Oregon State University; Jonathan Allan, Oregon Department of Geology and Mineral Industries; Patrick Corcoran, Oregon Sea Grant, *Variations in community exposure to climate-change-related, coastal-erosion hazards in the U.S. Pacific Northwest.*
- 1643. Innovative Methods for Transit Management and Planning (Sponsored by Transportation Geography Specialty Group)**
 Room: 212 - Washington State Convention Center, Level 2 (Paper Session)
 ORGANIZER(S): Julie Cidell, University of Illinois
 CHAIR(S): Christopher Upchurch, University of South Carolina
4:40 Pierre Osei-Owusu, Ph.D., Adjunct Professor, NCCU; Durham Area Transit Authority; Michael Pirani, Dr.*, North Carolina Central University, *Leadership, Workforce, Technology and Performance of Select Transit Systems in North Carolina.*
5:00 Christopher Upchurch*, University of South Carolina; Michael Kuby, Arizona State University, *Evaluating Light Rail Sketch Planning: Actual vs. Predicted Station Boardings in Phoenix.*
5:20 Ruihong Huang*, Northern Arizona University, *Bridging GTFIS and GIS for Computing Transit Level of Service.*
5:40 Keumsook Lee*, Sungshin Women's University; Jong Soo Park, Sungshin Women's University; Ho Sung Kim, Sungshin Women's University, *Space-time analysis of diurnal passenger flows in the Metropolitan Seoul Area based on dynamic visualization.*
- 1644. Cultural Landscape of Wine II (Sponsored by Geography of Wine Specialty Group)**
 Room: 213 - Washington State Convention Center, Level 2 (Paper Session)
 ORGANIZER(S): Gregory V. Jones, Southern Oregon University; Percy Dougherty, Kutztown University of Pennsylvania
 CHAIR(S): Percy Dougherty, Kutztown University of Pennsylvania
4:40 Jason Drury*, University of British Columbia, *The Role of Wine in Branding Tourist Landscapes of British Columbia.*
5:00 Jeffrey J Gordon*, Bowling Green State U., *Reaching the Age of Majority and Legal Drinking.*
5:20 Percy H Dougherty*, Kutztown University of Pennsylvania, *Portugal: An Old Wine Region Finds New Life.*
5:40 Chantelise Pells*, *Groundwater Governance and Collective Action: A Comparative Analysis of Two Viticulture Regions, Guadalupe Valley, Mexico and Sonoma Valley, U.S..*
- 1645. Tactics of Dispossession: Extraction, Accumulation, Control III (Sponsored by Cultural and Political Ecology Specialty Group, Energy and Environment Specialty Group)**
 Room: 214 - Washington State Convention Center, Level 2 (Paper Session)
 ORGANIZER(S): Matthew Himley, Illinois State University; Tomas Frederiksen, University of Toronto
 CHAIR(S): Tomas Frederiksen, University of Toronto
4:40 Matthew Himley*, Illinois State University, *Freeing land and controlling space: Mining and dispossession in Andean Peru.*
5:00 Milagros Sosa, 90055427*, Wageningen University; Margreet Zwarteeven, Wageningen University, *Negotiating and controlling water: The case of large mining industry in Cajamarca.*
5:20 Claudio Garibay*, CIGA-UNAM, *All Take and No Give: Global Mining Companies' Practices of Dispossession and Territorial Domination in Mexico.*
5:40 Justine Law*, The Ohio State University, *"We Have More Power Than You'd Think:" Private Landowners and the Struggle over Forestland in Appalachia.*
 Discussant(s): Jeffrey Bury, University of California, Santa Cruz
- 1646. Making Critical Development Geographies**
 Room: 2A - Washington State Convention Center, Level 2 (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Philip Hirsch, University of Sydney
4:40 Theresa Wong*, Department of Geography & Environmental Studies, Carleton University, Ottawa, Canada, *Making the Mekong: Nature, Region, Postcoloniality.*
5:00 Alexandra B Pedersen, BA*, University of Northern British Columbia, *Perspectives of 'Development': Insights from Indigenous Mayan Leaders of El Quiché, Guatemala.*
5:20 Mirjam S. Hirsch*, University of Cologne, *Geography and health in the context of colonization.*
5:40 Tammy Russell, PhD candidate*, Department of Environment and Geography, Macquarie University, *Borderline methodologies: embracing otherness for self-determination.*
6:00 Philip Hirsch, PhD*, University of Sydney, *Land titling in Southeast Asia: Critiques and conundrums.*
- 1648. Capital@Conservation#Media*Discourse II: Exploring the Theory and Practice of 'Conservation 2.0'**
 Room: Cirrus Ballroom - Sheraton Hotel, Pike Tower, Thirty Fifth Floor (Paper Session)
 ORGANIZER(S): Robert Fletcher, University for Peace; Bram Büscher, Institute of Social Studies
 CHAIR(S): Robert Fletcher, University for Peace
4:40 Catherine Corson*, Mount Holyoke College, *Carbon, Conservation and the Market: Power and Practice in the Convention on Biological Diversity.*
5:00 Patrick Gallagher*, Stanford University, *The Making of Ecosystem Services and a New Politics of Conservation.*
5:20 Jessica Dempsey*, University of British Columbia, *Growing 'biodiversity capital': from governments to the private sector.*
5:40 Bram Büscher*, Institute of Social Studies, *Nature on the Move: Capital, Circulation and the Value of Fictitious Conservation.*
 Discussant(s): Maano Ramutsindela

TUESDAY, APRIL 12 • 4:40 PM - 6:20 PM • 1600**1650. Whither Rural Geography? Future Directions (Sponsored by Rural Geography Specialty Group)**

Room: *Boren - Sheraton Hotel, Union Tower, Fourth Floor*
(Panel Session)

ORGANIZER(S): Dawn M Drake, University of Tennessee
CHAIR(S): Dawn M Drake, University of Tennessee
Panelists: Dawn M Drake, University of Tennessee; Holly Barcus, Macalester College; Leslie A. Duram, Southern Illinois University; Lisa M. Butler Harrington, Kansas State University; Dick Winchell, Eastern Washington University; Michael Woods, Aberystwyth University; Justin Maxwell, Carolina Tree-Ring Science Laboratory, UNC at Greensboro

1651. The Post-Counterhegemonic Moment in the Americas? Progressive Governments, the Persistence of Neoliberalism, and the Re-composition of Movements

Room: *Columbia - Sheraton Hotel, Union Tower, Fourth Floor*
(Panel Session)

ORGANIZER(S): Brenda Baletti
CHAIR(S): Alvaro Reyes
Panelists: Teo Ballve, UC Berkeley; Mara Kaufman; Alvaro Reyes; Brenda Baletti; Elizabeth Mason-Deese; Nathan A Prier, York University

1652. Critical Perspectives on Performativity: 3. Performativity, Space, and Politics (Sponsored by Political Geography Specialty Group, Socialist and Critical Geography Specialty Group)

Room: *Jefferson - Sheraton Hotel, Union Tower, Fourth Floor*
(Paper Session)

ORGANIZER(S): Michael R. Glass, University of Pittsburgh; Reuben S. Rose-Redwood, University of Victoria
CHAIR(S): Reuben S. Rose-Redwood, University of Victoria
Introducer: Reuben S. Rose-Redwood
4:45 Ilse Helbrecht, Prof.Dr.*, Humboldt University Berlin; Peter Dirksmeier, Dr., Humboldt-University Berlin; Ulrike Mackrodt, Humboldt-University Berlin, *'Strange Encounters': Performing Places in Intercultural Interactions in the City.*
5:05 Pamela K. Sertzen*, University of Texas at Austin, *Reconciling the past: a case study of the Caminata por la Paz y Solidaridad in Lima, Peru.*
5:25 Mara Ferreri*, Queen Mary University, *Performing vacant spaces.*
5:45 Arnoud Lagendijk*, Radboud University Nijmegen; Krisztina Varro, Radboud University Nijmegen, *The performativity of European innovation policies.*
Discussant(s): Michael R. Glass, University of Pittsburgh

1654. Crime and Criminal Spatial Behaviour

Room: *Pike - Sheraton Hotel, Union Tower, Fourth Floor*
(Paper Session)

ORGANIZER(S): Program Committee
CHAIR(S): Larry Joe Morgan, Jacksonville State University
4:40 Galen Maclaurin*, Student, *Assessing fear of crime in Medellin, Colombia: a fuzzy logic approach to qualitative GIS.*
5:00 Michael Leitner*, Louisiana State University; Joshua Kent, Center for Geoinformatics, Louisiana State University, *Evaluating the Geoforensic Analysis Method.*
5:20 Ho-Seop Cha*, University of Central Missouri; Yeok-il Cho, University of Central Missouri, *Crime mapping using Geographic Information Systems (GIS).*
5:40 Larry Joe Morgan*, Jacksonville State University, *Gated Communities: Institutionalizing Social Stratification.*

1656. Built Environment and Travel Behavior: Measurement, Behavioral Processes and Policy Evaluation (3)

Room: *Seneca - Sheraton Hotel, Union Tower, Fourth Floor*
(Paper Session)

ORGANIZER(S): Tingting Wang; Cynthia Chen
CHAIR(S): Cynthia Chen
4:40 Kristian Larsen*, University of Toronto; Ron Buliung, PhD, University of Toronto Mississauga; Guy Faulkner, PhD, University of Toronto; Michelle Stone, PhD, University of Toronto, *The Road Not Taken: Exploring Differences in the Geography of School Travel Behaviour.*
4:55 Nairne Cameron*, Algoma University; Alinda Friedman, University of Alberta, *Becoming Familiar: Analyzing the Process of Acquiring Knowledge of a New Travel Route and Destination.*
5:10 Selima Sultana*, University of North Carolina-Greensboro; Mark R Schulz, University of North Carolina at Greensboro; Molly Hegan, University of North Carolina at Greensboro; Marcie Dalrymple, University of North Carolina at Greensboro, *What makes college students to buy parking passes in campuses: A multidisciplinary approach.*
5:25 Raktim Mitra*, University of Toronto, *The Built Environment and School Transportation Behavior among Children and Youths.*

1658. Examining Emergent Health Issues in South & South East Asia: Highlighting the Value of Means and Ends (Sponsored by Asian Geography Specialty Group, Health and Medical Geography Specialty Group)

Room: *University - Sheraton Hotel, Union Tower, Fourth Floor*
(Paper Session)

ORGANIZER(S): Vandana Wadhwa, Boston University; Kristopher Kuzera
CHAIR(S): Vandana Wadhwa, Boston University
4:40 Sophia Giebultowicz, M.A.*, University of North Carolina-Chapel Hill; Michael Emch, Professor, University of North Carolina-Chapel Hill; Elisabeth Root, Assistant Professor, University of Colorado-Boulder; Mohammad Ali, International Vaccine Institute; Mohammad Yunus, Centre for Diarrhoeal Disease Research, Bangladesh, *The Integration of Spatial and Social Network Analysis in Disease Transmission Studies.*
5:00 Margaret Carrel, University of North Carolina-Chapel Hill; Veronica Escamilla*, University of North Carolina - Chapel Hill; Janey Messina, University of North Carolina-Chapel Hill; Sophia Giebultowicz, University of North Carolina-Chapel Hill; Jennifer Winston, University of North Carolina-Chapel Hill; Mohammad Yunus, International Centre for Diarrhoeal Disease Research, Bangladesh; P.K. Streatfield, International Centre for Diarrhoeal Disease Research, Bangladesh; Michael Emch, University of North Carolina-Chapel Hill, *Greater tubewell density decreases diarrheal disease risk in rural Bangladesh: a zero-inflated and geographically weighted analysis.*
5:20 Margaret Carrel*, University of North Carolina - Chapel Hill; Xiu-Feng Wan, Mississippi State University; Michael Emch, University of North Carolina-Chapel Hill, *H5N1 avian influenza genetic variation in Vietnam shows greater spatio-temporal association than species-specific association..*
5:40 Kristopher Kuzera*, DePaul University, *Spatiotemporal dengue transmission risk in Thailand using daily minimum temperature derived from remote sensing.*

TUESDAY, APRIL 12 • 6:30 PM - 9:30 PM • 1600**1659. Land Use/Land Cover Change in the U.S.**

Room: *Virginia - Sheraton Hotel, Union Tower, Fourth Floor*
(Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Jie Tian, Georgia Southern University

4:40 Trung V. Tran*, Department of Geography and Environmental Sustainability, University of Oklahoma; Jason P. Julian, Department of Geography and Environmental Sustainability, University of Oklahoma, *A Subpixel Approach To Understand Land Cover Change In The Arkansas-Red River Basin.*

5:00 Hua Shi*, ARTS, USGS/EROS, *Detecting trends and seasonal changes in non-forest live fuel using remotely sensed time-series data in Western United States.*

5:20 Raymond Dezzani, Ph.D.*, University of Idaho, *Markov Models of Land-use and Land-cover Change.*

5:40 Joyce A. Fry*, USGS; George Xian, ASRC Research and Technology Solutions; Suming Jin, ASRC Research and Technology Solutions; Collin Homer, USGS, *Completion of the National Land Cover Database (NLCD) Products for circa 2006.*

6:00 Jie Tian*, Georgia Southern University; Chunyang He, Beijing Normal University, *A spatial-temporal analysis of the land use and land cover change in the US (1992-2010).*

1661. Author Meets Critic: What is Water? by Jamie Linton

Room: *Ballard - Sheraton Hotel, Pike Tower, Third Floor*
(Panel Session)

ORGANIZER(S): Andrew Baldwin, Durham University

CHAIR(S): Andrew Baldwin, Durham University

Discussant(s): Farhana Sultana, Syracuse University; Erik Swyngedouw, University of Manchester

Panelists: Jeremy Schmidt; Peter P. Mollinga, SOAS, London, UK; Jamie Linton, Queen's University

1664. Author Meets Critics: David Ley's Millionaire Migrants (Sponsored by China Specialty Group, Population Specialty Group, Ethnic Geography Specialty Group)

Room: *Fremont - Sheraton Hotel, Union Tower, Third Floor*
(Panel Session)

ORGANIZER(S): George Lin, University of Hong Kong

CHAIR(S): George Lin, University of Hong Kong

Panelists: Lan-Hung Nora Chiang, National Taiwan University; Adrian Bailey, Hong Kong Baptist University; John Zhongdong Ma, Hong Kong University of Science and Technology; Lucia Lo, York University; Shuguang Wang, Ryerson University; Maggi Leung, Utrecht University; David F. Ley, University of British Columbia

1665. Tourism Development in China, Asia and the Pacific Rim: Economic, Social and Environmental Impacts (Sponsored by Recreation, Tourism, and Sport Specialty Group, China Specialty Group)

Room: *Greenwood - Sheraton Hotel, Union Tower, Third Floor*
(Paper Session)

ORGANIZER(S): Rudi Hartmann, University of Colorado; Li Yang, Western Michigan University

CHAIR(S): Alan A. Lew, Northern Arizona University

4:40 Li Yang*, Western Michigan University, *Ethnic Tourism and Quality of Life.*

5:00 Rainer Fugmann*, Catholic University of Eichstaett-Ingolstadt; Hans Hopfinger*, Chair of Geography, *Performing Tourism: Intercultural Aspects of the Chinese Outbound Tourism.*

5:20 Thanathorn Vajirakachorn*, Department of Recreation, Park and Tourism Sciences, Texas A&M University; Sanjay K Nepal, *Community-based tourism practices - The case of floating markets in central Thailand.*

5:40 Barry N. Haack*, George Mason University; Daniele Panzeri, CESVI; Paolo Caroli, CESVI, *Visitor Survey Results for Sagarmatha, Mt. Everest, National Park.*

6:00 Sanjay K Nepal*, Texas A&M University, *This monastery is a world heritage! Global-Local discourse in heritage tourism in Upper Mustang, Nepal.*

1666. Urban Political Ecology and Science and Technology Studies: Complimentarity, Intersections, and Disjunctures: II

Room: *Issaquah A - Sheraton Hotel, Union Tower, Third Floor*
(Paper Session)

ORGANIZER(S): Seth Gustafson, University of Georgia

CHAIR(S): Seth Gustafson, University of Georgia

4:40 Kieran Gaya, M.Arch, MAS*, ETH; Federico Caprotti, PhD, University of Plymouth, U.K., *Redeeming citizens, redeeming the Marshes: an urban political ecology of small spaces in Sabaudia, Italy, 1934-43.*

5:00 Andrew Karvonen*, University of Manchester, *Developing constructive politics in the technonatural city.*

5:20 Mary Lawhon*, Clark University, *Development Discourse and the South African E-waste Transition.*

5:40 Jamie McEvoy*, University of Arizona, *Connecting Theory and Method: How to Describe a (Water Supply) Network.*

6:00 Seth Gustafson*, The University of Georgia, *"You Never Want a Serious Crisis to Go to Waste": Tracing 'Crisis' through Urban Political Ecology and Science and Technology Studies.*

1667. Urban Water Issues: Stormwater, Septic Systems, and Floods (Sponsored by Urban Geography Specialty Group)

Room: *Issaquah B - Sheraton Hotel, Union Tower, Third Floor*
(Paper Session)

ORGANIZER(S): Julie Cidell, University of Illinois

CHAIR(S): Seth Wilberding, The Pennsylvania State University

4:40 Seth Wilberding, MLA, LEED AP*, The Pennsylvania State University, *Green infrastructure: evaluating an approach to reducing urban flood susceptibility.*

5:00 Sarah Harling, Master's student in Geography*, San Francisco State University, *Seasonal Floods, Causation, Hazard Perception, and Disaster Preparedness in California's Yuba-Sutter Area.*

5:20 Anthony T Betts*, University of South Florida; Kamal Alsharif, Ph. D., University of South Florida, *Assessment of a Countywide Stormwater Pond Improvement Project: Impacts of the Hillsborough County Adopt-A-Pond Program.*

5:40 Bo Yang*, Utah State University; Ming-Han Li, Texas A&M University, *Ecological engineering in a new town development: Drainage design in The Woodlands, Texas.*

6:00 John R Anderson, Ph. D*, Georgia Perimeter College; Lawrence Kiage, Ph. D, Georgia State University, *The Effects of High Density Septic Systems on Surface Water Quality in Gwinnett County, Georgia.*

1668. Geographies of justice, geographies of harm (Sponsored by Urban Geography Specialty Group)

Room: *Kirkland - Sheraton Hotel, Union Tower, Third Floor*
(Paper Session)

ORGANIZER(S): Julie Cidell, University of Illinois

CHAIR(S): Jeremy Sorenson

4:40 Jean Carmalt*, Drake University, *Human Rights and the Geography of Injustice.*

5:00 Montserrat Pallares-Barbera, Ph.D.*, Universitat Autònoma de Barcelona. Geography Department; Antònia Casellas, Universitat Autònoma de Barcelona. Geography Department, *Social wellbeing and urban planning: a discussion on social justice.*

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5:20 Jeremy Sorenson*, University of Wisconsin-Milwaukee, *Criminal Food: Food Not Bombs, Aid, Space, and Death in the Disciplinary City.*

5:40 Stevie Larson*, Graduate Program, University of North Carolina at Chapel Hill, *Terrains of Harm, Desires for Healing: Social Movement Interventions within the Geography of Harm.*

Discussant(s): Kristin M. Sziarto, University of Wisconsin-Milwaukee

1669. Nightscapes: Geographies of Urban Nights III (Sponsored by Urban Geography Specialty Group)

Room: *Leschi - Sheraton Hotel, Union Tower, Third Floor* (Paper Session)

ORGANIZER(S): Tim Schwanen, University of Oxford; Irina Van Aalst, Utrecht University

CHAIR(S): Ilse Van Liempt

4:40 Steve Millington*, Manchester Metropolitan University, *Regulating the night: night-time illumination and place making.*

5:00 Susanne Seitinger*, MIT Media Lab, *Planning the Nighttime Image of the City: A Review of Urban Lighting Masterplans.*

5:20 Robert Shaw*, Durham University, *'Alive After Five': Generating the Cosmopolitan Evening Economy in Newcastle-upon-Tyne.*

5:40 Jennie Middleton*, University of Plymouth, *A 'good' night out?: Exploring the geographies of urban street pastors.*

6:00 Teresa Alves*, University of Lisbon, *Services: Opportunities and Innovation in the Territory at the night.*

1670. Innovations in Scandinavia

Room: *Medina - Sheraton Hotel, Union Tower, Third Floor* (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Anders Waxell, Uppsala University

4:40 Bjornar Sather*, University Of Oslo, *Innovation Patterns in Agriculture - a View From Scandinavia.*

5:00 Sami Moiso*, University of Oulu, *Learning from Silicon Valley: Critical geographies of a state in search for spaces of success.*

5:20 Toni Ahlqvist, Dr*, Academy of Finland / VTT Technical Research Centre of Finland, *Transforming abstract space: Political geography of national innovation system in Finland.*

5:40 Maria Merisalo*, University of Helsinki, *Technology, geography and work: Teleworkers in Helsinki capital district.*

6:00 Anders Waxell*, Uppsala University; Johan Jansson, Uppsala University, *Competing with quality in the Swedish hi-fi industry.*

1671. The 'World Food Crisis', Agro-Investments and the Geopolitics of Food Security 2

Room: *Metropolitan Ballroom A - Sheraton Hotel, Third Floor* (Paper Session)

ORGANIZER(S): Melanie Sommerville; Philippe Le Billon, University of British Columbia

CHAIR(S): Melanie Sommerville

4:40 William G. Moseley*, Macalester College, *China's Green Revolution and African Agricultural Development: Dis-Oriented Histories and Misapplied Lessons.*

5:00 Michael B. Dwyer*, University of California, Berkeley, *The politics of sovereignty and property: Laos and the global land grab.*

5:20 Ian G. Baird*, The University of Wisconsin - Madison, *Land Grabbing, Land Price Changes, and the Circumstances of Indigenous Peoples in Ratanakiri Province, Northeast Cambodia.*

5:40 Daniel Warshawsky*, University of Southern California, *The State and Urban Food Security in Post-Apartheid Johannesburg.*

Discussant(s): Philippe Le Billon, University of British Columbia

1672. Cultural Geographies Annual Lecture (Sponsored by Cultural Geography Specialty Group)

Room: *Metropolitan Ballroom B - Sheraton Hotel, Third Floor* (Paper Session)

ORGANIZER(S): Dydia DeLyser, Louisiana State University; Tim Cresswell, Royal Holloway, University of London

CHAIR(S): Dydia DeLyser, Louisiana State University

Introducer: Dydia DeLyser

4:50 Nigel J. Thrift*, University of Warwick, *The Untoward Land.*

1674. Publishing in Geography Journals: Perspectives from the Editors

Room: *Ravenna - Sheraton Hotel, Union Tower, Third Floor* (Panel Session)

ORGANIZER(S): Jerry T. Mitchell, University of South Carolina

CHAIR(S): Jerry T. Mitchell, University of South Carolina

Panelists: Jerry T. Mitchell, University of South Carolina; Alyson L. Greiner, Oklahoma State University

1675. Methods Open to Interpretation

Room: *Wallingford - Sheraton Hotel, Union Tower, Third Floor* (Panel Session)

ORGANIZER(S): Sara L. Jackson, York University

CHAIR(S): Dylann McLean, York University

Introducer: Dylann McLean

Panelists: Phil Jones, University of Birmingham; Steven Flusty, York University; Sara L. Jackson, York University

1677. Author Meets Critics: "Begging as a Path to Progress: Indigenous Women and Children and the Struggle for Ecuador's Urban Spaces" 2010.

Room: *Cedar Room - Sheraton Hotel, Second Floor* (Panel Session)

ORGANIZER(S): Sharlene Mollett, Dartmouth College

CHAIR(S): Sharlene Mollett, Dartmouth College

Introducer: Sharlene Mollett

Panelists: Jennifer Casolo; Steve Herbert, University of Washington; Lise Nelson, University of Oregon; Ulrich Oslender, FIU; Kate Swanson

1678. Historical Geography

Room: *Douglas Room - Sheraton Hotel, Second Floor* (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Mary Graham, York College of Pennsylvania

4:40 Lourdes De Ita, PhD*, Universidad Michoacana De San Nicolas De Hidalgo, Morelia, Mexico, *English assaults to Colonial Spanish America and their influence in the coastal depopulation and the spatial organisation.*

5:00 Andrew G Allen*, University of Kansas, *Post Office Establishment and the Settlement of Nebraska: A Comparison of the Historical Factors of Settlement with Geographic Patterns.*

5:20 Mary M Graham*, York College of Pennsylvania; Richard D Stone, John L. Grove College of Business, Shippensburg University, *The Influence of Railroads on Military Strategy in the Mississippi Valley, 1861-1864.*

5:40 Natalie A Currie*, Brock University, *The Art of Resisting Colonial Education.*

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Room: *Grand Ballroom A - Sheraton Hotel, Second Floor*

(Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Samuel Frank, Hunter College

4:40 I-Hui Lin*, *Analyzing an Urban Park System Using Statistical Models.*

5:00 Samuel T. Frank, Geography PhD Student*, The Graduate Center, City University of New York, *Assessing Government Transparency in Implementing New York City's Lower Manhattan Security Initiative.*

1680. Social Theory

Room: *Grand Ballroom B - Sheraton Hotel, Second Floor*

(Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Robert Anderson, University of Kansas Department of Geography

4:40 Andrew Grant*, UCLA, *Performance, Performativity, and Territoriality in the 2008 Olympic Torch Relay.*

5:00 Steven Gibbs*, Charles Sturt University, *Producing Space in Professional Practice.*

5:20 Evie Schlife*, University of Kansas, *Geographies of Scarcity and the Reification of Poverty.*

5:40 Warren Magnusson*, Department of Political Science, University of Victoria, *The Aporia of Politics and the Politics of Aporia.*

6:00 Robert Conrad Anderson*, University of Kansas Department of Geography, *human/non-human; both/and (neither/nor) : the cybernetics of remote sensing.*

1681. Regulatory Geographies: State Action and the Role of Law

Room: *Grand Ballroom C - Sheraton Hotel, Second Floor*

(Paper Session)

ORGANIZER(S): Melinda Harm Benson, University of New Mexico; John Carr, University of New Mexico

CHAIR(S): Melinda Harm Benson, University of New Mexico

Introducer: Melinda Harm Benson

4:48 Deborah Scott*, Rutgers University, *Discipline and Disruption: the framing of international law within the Convention on Biological Diversity.*

5:06 Olen Paul Matthews*, University of New Mexico, *Regulatory Failure and the Hydrologic Cycle.*

5:24 Zachary Paul Sugg*, University of Arizona School of Geography and Development, *A Legal-Geographical Perspective on Regulating the Groundwater Commons.*

5:42 Jason Beery*, University of Manchester, *Law, States and the Production of International Space, a View from Outer Space.*

Discussant(s): Carl J Bauer, University of Arizona

1682. Contemporary Land Grabs II: Ethnographies of the State

Room: *Grand Ballroom D - Sheraton Hotel, Second Floor*

(Paper Session)

ORGANIZER(S): Wendy Wolford, University Of North Carolina at Chapel Hill; Benjamin Gardner, University of Washington Bothell

CHAIR(S): Benjamin Neimark, Temple University

4:40 Wendy Wolford*, Cornell University, *From Mosquitos to Marx: The Changing Dynamics of State and Society in Brazilian Land Policy.*

4:55 Benjamin Gardner*, University of Washington Bothell, *Communities as Commodities: Remaking State Power through Foreign Investment and Tourism in Tanzania.*

5:10 Andrew S. Mathews, Assistant Professor*, Department of Anthropology, UC Santa Cruz, *Conjuring Ownership in Mexican Forests.*

5:25 Sara Safransky*, UNC-Chapel Hill, *Reimagining Detroit: The Politics of Abandoned Land.*

Discussant(s): Jesse Ribot, University of Illinois

1683. Individuals and Agents in Development

Room: *Juniper Room - Sheraton Hotel, Second Floor* (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Basilio Verduzco-Chavez, Universidad De Guadalajara

4:40 Basilio Verduzco-Chavez, Ph.D.*, Universidad De Guadalajara, *Shaping Economic Landscapes: Actors, Institutions, and Negotiation Strategies of Urban and Regional Development Projects.*

5:00 Kristin Drauschke*, University of North Texas, *Micro Enterprises and Agglomeration Benefits in Developing Countries.*

5:20 Diep T Thai*, State University of New York at Buffalo, *Rural development: Female entrepreneurship and poverty reduction in Northern Vietnam.*

5:40 Julia Verne*, University of Bayreuth, *Trade beyond networks? Swahili traders searching for new markets in South East Asia.*

1686. Synthetic Aperture Radar Studies

Room: *Willow A - Sheraton Hotel, Second Floor* (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Paul Montesano

4:40 Keith W Cunningham, PhD*, Alaska Satellite Facility, *SAR Satellite Imagery and its GIS Applications.*

5:00 Mark H DeVisser*, Michigan State University; Joseph P Messina, Ph.D., Michigan State University, *The Potential of Synthetic Aperture Radar (SAR) Data in Identifying Suitable Tsetse Land Cover in Kenya.*

5:20 Leanne Sulewski*, University of South Carolina; Michael E Hodgson, PhD, University of South Carolina; Bruce A Davis, PhD, Department of Homeland Security, *The Application of Uninhabited Aerial Vehicle Synthetic Aperture Radar for Mapping The BP Oil Spill in a Marsh Environment.*

5:40 Paul Montesano*, Sigma Space - NASA/GSFC, University of Maryland - College Park; Bruce Cook, NASA-GSFC; Kenneth Jon Ranson, NASA-GSFC; Guoqing Sun, University of Maryland - College Park; Zhiyu Zhang, Beijing Normal University; Scott Luthcke, NASA-GSFC; J. Bryan Blair, NASA-GSFC, *Data Integration Approach for DESDynI Biomass Mapping.*

1687. Water Resource Planning - Data

Room: *Willow B - Sheraton Hotel, Second Floor* (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Angela Slade, The University of Auckland

4:40 Marie Trammell*, U.S. Bureau of Reclamation, *Water Rights Mapping in the Digital Age: Merging together historical paper maps and digital maps for the Newlands Project, Nevada.*

5:00 Alex Messina*, SDSU Geography Dept., *Mapping Vulnerability to Water Supply Shocks in the Krishna Basin using SEBAL.*

5:20 Benedykt Dziegielewski, Professor*, Southern Illinois University Carbondale, *Credible Portrayal of Water Supply Needs in a Regulatory Environment.*

5:40 Michael Pease*, Central Washington University; Jeremy Murray, Center for Spatial Information, Central Washington University, *Making Water Resource Decisions more "Informationally" Efficient: Development of a Geospatial Water Rights Decision Support System for Kittitas County, Washington..*

6:00 Angela Slade, Doctor*, The University of Auckland; Dan Hikuroa, Doctor, Institute of Earth Science and Engineering; Brandon Whitehead, M.S., Centre for eResearch, The University of Auckland, *Merging science and indigenous knowledge to influence policy for a more effective water management plan.*

TUESDAY, APRIL 12 • 6:30 PM

AAG OPENING SESSION

1722. Presidential Plenary: Geography in the Changing Worlds of Higher Education: Opportunities and Challenges

Tuesday, April 12, 6:30 p.m. - 8:00 p.m.

Room: 6E - Washington State Convention Center, Level 6

Welcoming remarks:

Douglas Richardson, AAG Executive Director

Kenneth E. Foote, AAG President, University of Colorado at Boulder

Organizer: **Kenneth E. Foote**, AAG President, University of Colorado at Boulder

The 2011 AAG Presidential Plenary Session, "Geography in the Changing Worlds of Higher Education: Opportunities and Challenges," will explore geography's future in the context of the changing role of the university in society. This special session was organized by AAG President Kenneth E. Foote. Plenary speakers **Duane Nellis**, President, University of Idaho, **Maresi Nerad**, Director, Center for Innovation and Research in Graduate Education at the University of Washington, and **Orlando Taylor**, President, The Chicago School of Professional Psychology's Washington DC campus, will share perspectives based on a wealth of experience and research into current trends.

AAG OPENING RECEPTION in the EXHIBIT HALL

Tuesday, April 12, 8:00 p.m. - 9:30 p.m.

Room: 6ABC - AAG Exhibit Hall, Washington State Convention Center, Level 6

This reception is an opportunity to see old friends and meet colleagues at the outset of the AAG Annual Meeting. The reception is held in the Exhibit Hall where attendees will be able to see the variety of products and services available to AAG Annual Meeting attendees.. Free drink ticket (provided in your registration packet). Please note: the free drink ticket can be used for this reception or for the International Reception on Thursday, April 14, 8:00 p.m. - 9:30 p.m.

Presenting author(s) are indicated with an asterisk ().*

WEDNESDAY

WEDNESDAY, APRIL 13 • 8:00 AM - 9:40 AM • 2100**2103. Enhancing Geographic Education 1**

- Room: 603 - Washington State Convention Center, Level 6
(Paper Session)
ORGANIZER(S): Program Committee
CHAIR(S): Steve Cook, Oregon State University
- 8:00** Mathias J.N. Le Bossé*, Kutztown University of Pennsylvania, *Inviting Explorers and Travelers into the Advanced Undergraduate Geography Classroom.*
- 8:20** Sean O'Connor*, National Geographic Society, *1. Selling Geography in the Daily Classroom with News & Reference Materials.*
- 8:40** Kevin Keenan*, College of Charleston, *Learning (About) Research Methods in Geography : A Grounded Theory Exploration.*
- 9:00** Lynn M. Patterson, Ph.D.*, Kennesaw State University; Vanessa Slinger-Friedman, Ph.D., Kennesaw State University, *Writing Across the Curriculum in Geography: Learning Outcomes and Faculty Experiences.*
- 9:20** Steve Cook*, Oregon State University, *Engaging/Enthusiating Students in Large Enrollment Classes.*

2104. Historical geographies of western North America Session 1 (Sponsored by Historical Geography Specialty Group)

- Room: 604 - Washington State Convention Center, Level 6
(Paper Session)
ORGANIZER(S): William Wyckoff, Montana State University; Matthew Evenden, Department of Geography, University of British Columbia
CHAIR(S): Matthew Evenden, Department of Geography, University of British Columbia
- 8:00** Jason Grek-Martin*, Saint Mary's University, *Time, Terrain & Trepidation: Field Notes From the Yukon Territory, 1887.*
- 8:20** Matthew N. Fockler*, Montana State University, *Primitive Wilderness: A Historical Geography of the United States Forest Service Primitive Area Management, Northern Rockies, Montana.*
- 8:40** David Brownstein, PhD*, University of British Columbia, *Battlefields and clearcuts: British Columbia forest regeneration debates after the First World War.*
- 9:00** John Thistle*, *The War with Wild Horses in British Columbia-Montana Borderlands.*
- 9:20** Bob Wilson*, Syracuse University, *Creatures in the Grid: Historical Geographies of Migration in Western North America.*

2109. Spatial Cloud Computing: Paper Session I Infrastructure as a Service (IaaS) (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group, Spatial Analysis and Modeling Specialty Group)

- Room: 609 - Washington State Convention Center, Level 6
(Paper Session)
ORGANIZER(S): Chaowei Yang, CISC/GMU
CHAIR(S): John Mahoney, U.S. Geological Survey
- 8:00** Chaowei Yang*, CISC/GMU; Myra Bambacus, NASA GSFC; qunying huang, GMU CISC; Kai Liu, GMU CISC, *Spatial Cloud Computing.*
- Introducer: Jinesh Varia
Introducer: John Mahoney
- 9:00** Tiffany C. Vance*, NOAA/San Francisco State University; Christopher Mueller, Applied Science Associates; Kyle Wilcox, Applied Science Associates, *Particles in the Cloud: Running Fisheries Particle Tracking Models in the GeoCloud Sandbox.*
- 9:20** Qunying Huang*, George Mason University; Chaowei Yang, George Mason University; Karl Benedict, University of New Mexico, *Utilize Model Interoperability and Cloud Computing to Support Dust Storm Simulation.*

2111. Geographies of Law and Environmental Regulation I

- Room: 611 - Washington State Convention Center, Level 6
(Paper Session)
ORGANIZER(S): Steve Herbert, University of Washington; Gregory Hicks, University of Washington
CHAIR(S): Steve Herbert, University of Washington
- 8:00** Carl J Bauer*, University of Arizona, *Water and Energy Governance in Chile and California: Law and Geography and Global Change.*
- 8:20** Brandon B Derman, PhD Candidate*, University of Washington, *Framing the politics of climate justice: Geography, rights, and responsibility.*
- 8:40** Gregory Hicks*, University of Washington, *Institutional Pluralism and Acequia Irrigation Landscapes.*
- 9:00** Manuel Jose Prieto*, University of Arizona, *Conflicted Legal Construction of Water: Neoliberal Water Reform and the Likan Antai (Atacameños).*
- 9:20** Hari Osofsky*, University of Minnesota Law School, *Multidimensional Governance and the BP Deepwater Horizon Oil Spill.*

2112. Doing the "Right Thing": Ethics and Environmental Governance

- Room: 612 - Washington State Convention Center, Level 6
(Paper Session)
ORGANIZER(S): Program Committee
CHAIR(S): Kolson Schlosser, Clarkson University
- 8:00** Margaret Low*, University of Victoria, *Shifting Strategies of the BC Environmental Movement: Lessons from the Great Bear Rainforest.*
- 8:20** Jean-Francois R.A. Bissonnette*, University of Toronto; Jean-Francois R.A. Bissonnette, University of Toronto, *The palm oil economy in Indonesia: Narratives of visible and invisible actors in the plantation sector.*
- 8:40** Robin A Lewis*, University of Arizona, *Resilience, epistemic communities and environmental governance: An institutional analysis of the Malaysian Timber Certification Scheme.*
- 9:00** Thomas A. Woodsworth*, University of British Columbia, *Mobilizing Policy: Tracking Environmental Transparency across the Pacific.*
- 9:20** Kolson Schlosser*, Clarkson University, *Scale and Meaning in Commodity Cultures Research: Explorations of Retail Sector Discourses on the Ethical Consumption of Gemstone Diamonds.*

2113. Cultural and Creative Sectors in the City

- Room: 613 - Washington State Convention Center, Level 6
(Paper Session)
ORGANIZER(S): Program Committee
CHAIR(S): Xin Gu, Queensland University of Technology
- 8:00** Barbara Heebels, MSc*, Utrecht University, *Publishing Places: the Role of Location and Networks for Inspiration, Reputation and Learning.*
- 8:20** Bernard Momer, Associate Professor*, University of British Columbia Okanagan, *Valuing the Creative Sector in Small Cities: A Case Study in Kelowna, British Columbia.*
- 8:40** Jordan Smith*, North Carolina State University, *Growth in the American South: Rethinking the Urban/Rural Divide and the Causal Mechanisms of Economic Development.*
- 9:00** Jung-Ying Chang*, National Taipei University, *Cultural Strategies in Globalizing Beijing: the Case of Live Music Industry in the China's Capital City.*
- 9:20** Justin O'Connor, prof., Queensland University of Technology; Xin Gu, Dr. *, Queensland University of Technology, *chinese cultural entrepreneurs - a new kind of intermediary.*

WEDNESDAY, APRIL 13 • 8:00 AM - 9:40 AM • 2100

- 2114. Representing Vulnerability: Maps, Narratives, and Political Action (Sponsored by Cultural and Political Ecology Specialty Group)**
Room: 614 - Washington State Convention Center, Level 6
(Paper Session)
ORGANIZER(S): Thomas Bassett, University Of Illinois; Jesse Ribot, University of Illinois
CHAIR(S): Jesse Ribot, University of Illinois
Introducer: Jesse Ribot
8:05 April Colette*, University of Illinois at Urbana-Champaign, *Governing the Floods: At the Intersection of Risk, Vulnerability and the State.*
8:25 Gillen Wood*, University of Illinois, *Mapping Vulnerability in the Time of Cholera.*
8:45 Andy Bruno*, University of Illinois at Urbana-Champaign, *Stalinist Industrialization and the Vulnerability of Forced Laborers.*
9:05 Thomas J. Bassett*, University Of Illinois, Urbana-Champaign, *Vulnerability Mapping: Representation and Practices.*
Discussant(s): Ashwini Chhatre, University of Illinois at Urbana-Champaign
- 2115. The Changing Political Geography of the Middle East**
Room: 615 - Washington State Convention Center, Level 6
(Paper Session)
ORGANIZER(S): Program Committee
CHAIR(S): Ghazi Falah, University of Akron
8:00 Katrinka C. Somdahl-Sands*, Rowan University, *Dance of the Waves and Arab Identity in Acre, Israel.*
8:20 Joseph Lewis*, Ohio State University, *Development as Counter-Terrorism: Incorporating Palestinian Lives and Territory into Post-9/11 Geostrategy.*
8:40 Nadiyah N. Ahmad*, Temple University, *Gaza: A Case Study of Urban Warfare.*
9:00 Yaser M Najjar, PhD*, Framingham State University, *The Spatial Dimension of National Identity and Conflict Resolution: The Case of Palestine.*
9:20 Ghazi Falah*, University of Akron, *The Emerging Regional Order in the Arab and Moslem States in the Middle East.*
- 2116. 'The Good, the Bad and the Ugly': Urban Growth, Development and Change in Seattle, WA (Sponsored by Regional Development and Planning Specialty Group)**
Room: 616 - Washington State Convention Center, Level 6
(Paper Session)
ORGANIZER(S): Jonah White
CHAIR(S): Jonah White
8:00 Richard L. Morrill*, University Of Washington, *Seattle the perfect(ly over regulated) city.*
8:20 Troy Abel*, Western Washington University; Daniel Kostek, Western Washington University; Jonah White, Western Washington University, *Gentrifying inequities and skewed riskscales: the microgeography of environmental injustice in Seattle.*
8:40 Jonah White*, Western Washington University, *Residential Segregation in Seattle, Washington: Does Socioeconomic Status Matter?.*
9:00 Marianne Ryder*, Portland State University, *International Connections & Seattle Artists in the Studio Glass Movement.*
9:20 Diane E Yoder, PhD*, University of Southern California, *Geographies of Hope in a Financial Crisis: Wither the Community Garden?.*
- 2117. Military Geography 1: Contemporary Issues in Military Geography (Sponsored by Military Geography Specialty Group)**
Room: 617 - Washington State Convention Center, Level 6
(Paper Session)
ORGANIZER(S): Wiley C. Thompson, United States Military Academy
CHAIR(S): Wiley C. Thompson, United States Military Academy
8:00 Eugene J. Palka, Ph.D.*, US Military Academy, West Point, *A Quest for Stability in Iraq: The US Army's Use of Forwarding Operating Bases (FOBs).*
8:20 Francis A. Galgano*, Villanova University, *Geography and the Global War on Terror: Ungoverned Space and Effective Sovereignty in Western Pakistan.*
8:40 Wiley C. Thompson, Ph.D.*, United States Military Academy, *Hazards and Conflict: Extending the Understanding of Vulnerability and Resilience Through Place-based Analysis.*
9:00 Andrew Lohman*, West Point, *East Africa in World War I: A Geographic Analysis.*
9:20 Amy Richmond Krakowka*, USMA West Point, *Modeling Environmental Security in Sub-Saharan Africa.*
- 2118. Mega Projects in the Amazon (I) The Trans-Amazon Highway: Past, Present, and Future (Sponsored by Cultural and Political Ecology Specialty Group, Latin America Specialty Group, Human Dimensions of Global Change Specialty Group)**
Room: 618 - Washington State Convention Center, Level 6
(Paper Session)
ORGANIZER(S): Peter Richards, Michigan State University; Robert Walker, Michigan State University
CHAIR(S): Peter Richards, Michigan State University
8:00 Scott W Hoeffle, D.Phil. *, Universidade Federal do Rio de Janeiro, *The Maranhão Question and Amazonian Livelihoods: From Poor Frontier Farmer to Gold Prospector and Back Again in Western Pará, Brazil.*
8:20 Ana Maria Bicalho, Prof. Dr. *, Universidade Federal do Rio de Janeiro, *Constructing Social Capital for Community Forest Management.*
8:40 Bertha K Becker*, Universidade Federal do Rio de Janeiro, *Constructing the Transamazonian Highway of the Early 21st Century.*
9:00 Robert Walker*, Michigan State University, *The Spatiality of Development on the Transamazon Highway.*
9:20 Stephen Perz*, University of Florida; Jane Southworth, University of Florida; Christopher Baraloto, University of Florida; Grenville Barnes, University of Florida, *New Generation Infrastructure in the Amazon: The Case of the Inter-Oceanic Highway and the MAP Frontier.*
- 2119. (Re)constructing climate change I: insights from critical and feminist science studies (Sponsored by Cultural and Political Ecology Specialty Group, Geographic Perspectives on Women Specialty Group, Ethics, Justice, and Human Rights Specialty Group)**
Room: 619 - Washington State Convention Center, Level 6
(Paper Session)
ORGANIZER(S): Maureen Biermann, Pennsylvania State University; Andrei Israel, Penn State University
CHAIR(S): Farhana Sultana, Syracuse University
8:00 Andrei L Israel*, The Pennsylvania State University; Carolyn Sachs, The Pennsylvania State University, *Beyond Climate Justice: Feminist Reframings of Climate Change Science and Activism.*
8:20 Astrid Cerny, PhD*, Double Gemini Consulting, *Life on the Margins: Mobile Identities, Assumptions of Power and Climate Change.*

WEDNESDAY, APRIL 13 • 8:00 AM - 9:40 AM • 2100

8:40 Michelle J. Garvey*, University of Minnesota Gender, Women, & Sexuality Studies Doctoral Program, *Queer Ecology in the Age of Climate Change*.

9:00 Jade Sasser*, University of California - Berkeley, *Old Wine in New Bottles? Population, Fertility, and the New Sciences of Demographic Climate Change..*

Discussant(s): Myra Hird, Queen's University

2120. The Making of a Geographer: Self-reflections on Becoming (Sponsored by Cultural Geography Specialty Group, Enhancing Departments and Graduate Education project (EDGE))

Room: 620 - Washington State Convention Center, Level 6 (Panel Session)

ORGANIZER(S): Emily Pabst, University of Kansas

CHAIR(S): Emily Pabst, University of Kansas

Introducer: Emily Pabst

Discussant(s): Soren Larsen, University of Missouri

Panelists: Stuart C. Aitken, San Diego State University; Anne Ranek; Pamela Moss, University of Victoria; Audra El Vilaly, The University of Arizona

2121. Cryosphere Cryosphere Posters: cold regions monitoring/modelling and R.S. Tarr Student Paper Competition (Sponsored by Remote Sensing Specialty Group, Climate Specialty Group, Cryosphere Specialty Group)

Room: 6ABC - Washington State Convention Center, Level 6 (Poster Session)

ORGANIZER(S): Robert Hellström, Bridgewater State University

Clayton J. Whitesides*, Texas State University-San Marcos; Carol F. Sawyer, University of South Alabama; Melanie Stine, Texas State University-San Marcos, *Grizzly bear diggings within a solifluction tread and riser environment, Glacier National Park, MT.*

Benita Tam, MSc, PhD Candidate*, University of Toronto; William A. Gough, PhD, University of Toronto, *Understanding Past Temperature Variability of Two Sites Located in Severe Mid-latitude Climates through a Day-to-Day Variability Assessment.*

Haikuo Yu*, Louisiana State University, *Evaluation of the classification methods for mapping blue ice areas in Antarctica using Landsat imagery.*

Kelsey Nyland*, The George Washington University; Dmitry Streletskiy, PhD, The George Washington University; Nikolay Shiklomanov, PhD, The George Washington University; Anna Klene, PhD, The University of Montana - Missoula, *Ground Thermal Regime and the Impact of Tundra Vegetation on Active-Layer Thickness on the North Slope of Alaska.*

Julie Miller*, University of Utah; Richard R. Forster, University of Utah; David G. Long, BYU; Ronny Schroeder, JPL; Kyle C. McDonald, JPL; Jason E. Box, The Ohio State University; Evan W. Burgess, University of Utah, *QuikSCAT Derived Snow Accumulation Estimates in the Percolation Zone of the Greenland Ice Sheet.*

Daryn Hardwick*, University of Wisconsin - Stevens Point, *Trends in the Spatial and Temporal Variability of Snowfall Totals and Events in Wisconsin, 1974-2010.*

Susan W.S. Millar*, Syracuse University, *Winter Soil Temperatures in a Lake-Effect Snow Belt.*

Joni Kincaid*, Texas A&M University; LaDonna Latterman, Texas A&M University; Andrew G Klein, Texas A&M University, *Glacier Recession in the Cordillera Quimza Cruz in Bolivia.*

Panshu Zhao*, Texas A&M University--College Station, Geography Department; Andrew G. Klein, Texas A&M University--College Station, Geography Department, *Investigating the spatial representativeness of snow albedos derived from multiple remote sensing sensors.*

Robert Hellström*, Bridgewater State University, *WiFi Sensors for Snowpack Studies at Harvard Forest.*

Andrew G Klein*, Texas A&M University; Iliyana Dobрева, Texas A&M University, *The MODIS snow mapping algorithm revisited.*

Benjamin E Kane*, Western Washington University; Mauri Pelto, Nichols College Dudley, MA; Ben Pelto, Alfred University, NY, *North Cascade Glacier Mass Balance 2009 and 2010 El Nino and La Nina winter impacts offset by summer melt conditions change..*

Brooke Medley, MS*, University of Washington; Ian Joughin, PhD, University of Washington; Howard Conway, PhD, University of Washington; Sarah Das, PhD, Woods Hole Oceanographic Institution; Alison Criscitiello, MS, Woods Hole Oceanographic Institution, *Evaluating interpolation techniques applied to accumulation rate estimates from West Antarctica.*

Blaize A. Denfeld*, Clark School of Geography, Clark University; Karen Frey, Clark School of Geography, Clark University; R. Max Holmes, Woods Hole Research Center; William Sobczak, Department of Biology, College of the Holy Cross, *Outgassing of CO2 from streams and rivers in the Kolyma River basin, Northeast Siberia.*

Brenna R. Forester*, Western Washington University, *Integrating species distribution modeling and phylogeography to assess past and future climate change impacts on the distribution of an alpine-arctic plant, *Rhodiola integrifolia*.*

John Hobbie*, Marine Biological Laboratory, *Arctic LTER: Predicting the future ecological characteristics of the Toolik Lake Region, Alaska.*

Jerry Brown*; Deanne S. P. Stevens, Alaska Division of Geological & Geophysical Surveys; Torre M.T. Jorgenson, Ecoscience Fairbanks; Donald (Skip) D.A. Walker, University of Alaska Fairbanks; Phil Brease (dceased), National Park Service (Alaska); Jerry Brown, Woods Hole, MA, *Permafrost Information Enhanced by New Guide Books from the Ninth International Conference on Permafrost.*

Bradley Austin*, Kent State University, *Spatial and Cognitive Perceptions of the Lake Erie Snowbelt: A Pilot Study.*

2124. Life's Work in crisis: social reproduction and the contemporary moment (Session 1) (Sponsored by Cultural and Political Ecology Specialty Group, Geographic Perspectives on Women Specialty Group)

Room: 301 - Washington State Convention Center, Level 3 (Paper Session)

ORGANIZER(S): Kendra Strauss, University of Glasgow; Katharine Meehan, University of Oregon

CHAIR(S): Katharine Meehan, University of Oregon

8:00 Rosie Cox*, Birkbeck, University of London, *Materialising gender at home: men, women and home improvement.*

8:15 Brenda Parker*, University of Illinois At Chicago, *Reproduction....Amplified: U.S. Households and Everyday Urban Life.*

8:30 Siobhan McGrath*, University of Manchester, *Social Reproduction and Unfree Labour in Brazil.*

8:45 Colleen McTague*, University of Cincinnati, *Social Kriging: a multi-scalar analysis of social reproduction in the day labor industry.*

9:00 Lia Frederiksen*, University of Toronto, *Questioning the Crisis in Social Reproduction.*

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- 2125. Political Climates I: New Explorations of Science, Policy, and Climate Change (Sponsored by Cultural and Political Ecology Specialty Group, Human Dimensions of Global Change Specialty Group)**
Room: 302 - Washington State Convention Center, Level 3
 (Paper Session)
 ORGANIZER(S): Jennifer L. Rice, The Ohio State University; Connie Woodhouse, University of Arizona
 CHAIR(S): Daniel Ferguson
8:00 Steven B. Malevich*, University of Arizona, *Examining Critical Drought for Colorado River Basin Management.*
8:20 Kevin Werner*, National Weather Service, *Life at the Science - Policy Boundary on the Colorado River.*
8:40 Kirchhoff Christine, University of Colorado; Lisa Dilling*, University of Colorado, Boulder, *Managing U.S. Water Resources in a Changing Climate: Is Effective, Science-Based Planning the Answer?.*
9:00 Kelli Archie*, University of Colorado, Boulder; Lisa Dilling, Center for Science and Technology Policy Research, University of Colorado, Boulder, *Climate Change Adaptation and Western Public Lands: Do Managers Have the Tools and Understanding They Need to Make Decisions?.*
9:20 Sarah F. Trainor, Ph.D.*, University of Alaska - Fairbanks; Scott Paquette, Ph.D., University of Maryland, College of Information Studies, *From Data to Knowledge in Climate Science, Adaptation, and Policy: A Case Study of the Alaska Center for Climate Assessment and Policy.*
- 2126. Dendrochronology IV: Research from the North American Dendroecological Fieldweek (Sponsored by Paleoenvironmental Change Specialty Group, Biogeography Specialty Group)**
Room: 303 - Washington State Convention Center, Level 3
 (Paper Session)
 ORGANIZER(S): Neil Toth, Southern Illinois University-Carbondale; Linah Ababneh
 CHAIR(S): Neil Toth, Southern Illinois University-Carbondale
8:00 April Sahara*, Humboldt State University; Christopher Gentry, Austin Peay State University; Saskia L. van de Gevel, Appalachian State University; Stacy Birch; Stella Cousins; Jeff Dech, Nipissing University; Chris Guiterman; Grant Harley; Benjamin Hook; Eli Martinson; Rob Morrissey; Michael Reinikainen; Soung-Ryoul Ryu; John Waldron, University of West Florida, *Forest Stand Dynamics and Disturbance History in a Mixed Hardwood Forest, Simes Tract, Harvard Forest, Massachusetts.*
8:20 Alexa Dugan*, University of Wyoming; Peter Brown, Rocky Mountain Tree Ring Research; Christopher Gentry, Austin Peay State University; Brooke Cassell, University of Washington; Jeffrey Harris, Southern Illinois University; Chad King, University of Missouri; Joseph Marschall, Missouri Tree-Ring Laboratory; Diego Perez Salicrup, Universidad Nacional Autonoma de Mexico; Gus Smith, Yosemite National Park; John Waldron, University of West Florida, *Fire and recruitment history of a Jeffery pine stand in the eastern Sierra Nevada, California.*
8:40 David Harms Holt, Ph.D.*, University of Southern Mississippi, *Attempting to bridge the gap between the fixed and floating Methuselah Grove master chronology and building a chronology from Edmund Schulman's 1957 cores from Wydman Canyon: North American Dendro Ecological Fieldweek 2010 report.*
9:00 Henri D. Grissino-Mayer*, University of Tennessee; Linah Ababneh; NADEF 2010 Climate Group, *New Insights on Climate Response Signals found in Bristlecone Pines (Pinus longaeva) from Methuselah Walk, White Mountains, California.*
 Discussant(s): Christopher M. Gentry, Austin Peay State University
- 2127. Assessing Animal Habitats: Attributes and Function**
Room: 304 - Washington State Convention Center, Level 3
 (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Peter Scull
8:00 Tom Miewald*, US Fish and Wildlife Service; Gordon Reeves, US Forest Service; Michael Schindel, TNC; Amber Gladieux, Wild Salmon Center, *Spatial Conservation Planning for Salmon Strongholds.*
8:20 Carissa Jackson*, Western Michigan University, *Modeling Habitat Suitability for the Mitchell's Satyr Butterfly using a GIS.*
8:40 Paporn Thebpanya, Department of Geography and Environmental Planning*, Towson University; Harald Beck, Department of Biological Sciences, Towson University, *What Biogeographical Factors Keep Fishes in the Rainforest?.*
9:00 Benjamin P Stewart*, University of Victoria; Trisalyn Nelson, University of Victoria; Michael A. Wulder, Canadian Forest Service, *The effects of edges on grizzly bear habitat selection.*
9:20 Peter Scull*, Colgate University, *Home Range Estimation: MCP versus LoCoh using Ugandan Mountain Gorilla data (2000-2009).*
- 2128. Political and Institutional Influence on Geopolitical Framings**
Room: 305 - Washington State Convention Center, Level 3
 (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Kristian Stokke, University of Oslo
8:00 Mahmood Khan*, University of Oregon, *Genocide, geopolitics, state responsibility.*
8:20 David Tooch*, Florida International University; Daniel Clausen, Florida International University, *Cartographies of Extended Generosity? GIS, Darfur, and Logics of Humanitarianism.*
8:40 Corey A Ponder*, University of Toronto, *"Ford Country" versus "Millerland": Reworking the Geographical Imagination and the production of mental maps.*
9:00 Sang-Hyun Chi*, University of Illinois at Urbana-Champaign; Colin Flint, University of Illinois at Urbana-Champaign, *The End of History and the Lonely Superpower? The Political Geography of UN Voting Alignment with the Political Preferences of the United States.*
9:20 Kristian Stokke*, University of Oslo, *The soft power of a small state in a changing world order. Discursive constructions and institutional practices of Norway's peace engagement.*
- 2129. Creatives After the Crash I (Sponsored by Economic Geography Specialty Group)**
Room: 306 - Washington State Convention Center, Level 3
 (Paper Session)
 ORGANIZER(S): Betsy Donald, Queen's University; Meric S. Gertler, University of Toronto
 CHAIR(S): Meric S. Gertler, University of Toronto
 Introducer: Meric S. Gertler
8:05 Betsy Donald*, Queen's University; Sean Field*, Queen's University, *The creative food economy after the crash.*
8:25 Vass A Bednar*, Martin Prosperity Institute; Patrick Adler, Martin Prosperity Institute; Zara Matheson, Martin Prosperity Institute, *The Geography of Work in Major North American Cities.*

WEDNESDAY, APRIL 13 • 8:00 AM - 9:40 AM • 2100

8:45 Janelle Knox-Hayes, Georgia Institute of Technology; Kirsten Bandyopadhyay*, Georgia Institute of Technology; Gordon Kingsley, Georgia Institute of Technology, *State Agencies Embracing the Creative Economy: An exploration of communities of practice in the Georgia Department of Transportation.*

9:05 Namji Jung, Dr.*, Cornell University, *Counterfactuals: Some critical thoughts on the mobile workers, creativity, and innovation.*

Discussant(s): Dominic J. Power

2130. What can you do with Biogeography? A panel of professionals answers your questions (Sponsored by Biogeography Specialty Group)

Room: 307 - Washington State Convention Center, Level 3
(Paper Session)

ORGANIZER(S): Arvind Aniel Rombawa Bhuta, Department of Geography, Virginia Tech

CHAIR(S): Arvind Aniel Rombawa Bhuta, Department of Geography, Virginia Tech

Panelists: Holly Porter-Morgan, The New York Botanical Garden; Robert Andrew Rose, Wildlife Conservation Society; Justin Hart, University of Alabama; Rachel Headley, United States Geological Survey

2131. Obesity, Health, and Environment (Sponsored by Health and Medical Geography Specialty Group)

Room: 308 - Washington State Convention Center, Level 3
(Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Peter Anthamatten, University of Colorado Denver

8:00 Nigel Waters*, George Mason University; Cara Frankenfeld, George Mason University; Jill Poudrier, George Mason University, *Obesity in Relation to Complex Diet and Geographical Life History Factors.*

8:20 Samuel Adu-Prah*, Southern Illinois University; Tonny Oyana, Southern Illinois University, *Geographic disparities of overweight and obesity prevalence among the youth using a longitudinal data for the United States 1997-2004.*

8:40 Mustafa Erdem*, LSU; Nina Lam, LSU, *Linkages between Obesity and Built Environment.*

9:00 Lina Cao*, Department of Environmental Science, Policy and Management, UC Berkeley; Maggi Kelly, Department of Environmental Science, Policy and Management, UC Berkeley; Barbara A Laraia, Department of Medicine, Center for Health & Community, UC San Francisco, *Spatial Analysis of Body Mass Index among the Diabetes Study of Northern California (DISTANCE) Participants.*

9:20 Peter Anthamatten*, University of Colorado Denver, *Exploring Children's Perceptions of Physical Activity and Environment.*

2133. Geographies of Media IV: Video games and social media (Sponsored by Political Geography Specialty Group, Cultural Geography Specialty Group, Communication Geography Specialty Group)

Room: 310 - Washington State Convention Center, Level 3
(Paper Session)

ORGANIZER(S): Jason Dittmer, University College London;

James Craine, California State University Northridge

CHAIR(S): James Craine, California State University Northridge

8:00 Samuel Rufat*, University of Cergy Pontoise, France, *Space, The Final Frontier of Video Games.*

8:20 Leigh Schwartz*, University of Texas at Austin, *Narrating the Geographical Adventure in World of Warcraft and Other Online Games.*

8:40 Farhang Rouhani, PhD*, University of Mary Washington, *A Revolution in 140 Characters or Fewer? The Public/Private Politics of Social Networking in Iran.*

9:00 Cynthia Pope*, Central Connecticut State University, *The Revolution Will Be Twittered: The Gendered Politics of Cyberspace in Cuba.*

2134. Approaches to Development

Room: 3A - Washington State Convention Center, Level 3

(Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): William Y. Osei, Algoma University College

8:00 Rowena Butland*, The University of the West Indies, St Augustine, *'Developing': When a verb stops moving.*

8:20 Lisa Vera, MSP, PhD Candidate*, Florida State University, *The Human Capabilities Approach to Development: Can it stand against the capitalist approach?.*

8:40 Wanzirai Muruvi, PhD*, University of Guelph; Donald Reid, PhD, University of Guelph, *The Community Poverty Scan and Asset Based Approach to Poverty Reduction.*

9:00 William Y. Osei*, Algoma University College, *Water and Sanitation: Human Quality of Life at the Farm Village in Ghana.*

2135. Climate Change and the Urban Environment

Room: 3B - Washington State Convention Center, Level 3

(Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Erin Condit-Bergren, University of California, Berkeley

8:00 Elin Selboe*, University of Oslo, *The Politics of Local Adaptation.*

8:20 Rituparna Nath*, Delhi School of Economics; Ram Babu Singh, Reader, Delhi School of Economics, *Urban Climate Change in Kolkata Metropolitan Region.*

8:40 Yong Q Tian*, University of Massachusetts - Boston; Qian Yu, University of Massachusetts at Amherst; Robert F Chen, University of Massachusetts at Boston, *Sensitivity of terrestrial DOC export to climate change from urban landscape.*

9:00 Erin Condit-Bergren*, University of California, Berkeley, *Climate Crimes and Climate Rights: Using Human Rights Law in Climate Discourse.*

9:20 Diana Reckien*, Potsdam Institute for Climate Impact Research; Martin Wildenberg, Global 2000; Michael Bachhofer, *Subjective realities of climate change How impact networks contribute to deriving socially sensible adaptation options.*

2138. Polar Geography I: Arctic Geopolitics (Sponsored by Political Geography Specialty Group)

Room: 203 - Washington State Convention Center, Level 2

(Paper Session)

ORGANIZER(S): Timothy Edmund Heleniak, University of Maryland; Andrey N. Petrov, University of Northern Iowa

CHAIR(S): Timothy Edmund Heleniak, University of Maryland

8:00 Barret Weber*, University of Alberta, *The politics of culture and markets: on the European Parliament's ban on the importation of seal products.*

8:20 Elizabeth Nyman*, Florida State University, *Enclosing the Arctic? Environmental Groups and Visions of Protection.*

8:40 Gita Laidler*, Carleton University; Karen E. Kelley, Indian and Northern Affairs Canada; Claudio Aporta, Carleton University, *Policies and Practicalities of Shipping in Changing Ice Conditions: A case study from Cape Dorset, Nunavut.*

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- 9:00** Hannes Gerhardt*, University of West Georgia, *Greenland: Potentials and Limitations of an Inuit State*.
Discussant(s): Andrey N. Petrov, University of Northern Iowa
- 2139. Climate change and security I: Migration**
Room: 204 - Washington State Convention Center, Level 2
(Paper Session)
ORGANIZER(S): Andrew Baldwin, Durham University; Emily Gilbert, University of Toronto
CHAIR(S): Emily Gilbert, University of Toronto
8:00 Giovanni Bettini*, Lund University, *(In)secure Convergences - Hints for a re-positioning of 'climate security' from the debate on Environmental Migration*.
8:15 Jürgen Scheffran*, Institute for Geography, University of Hamburg, *Environmental Migration in the Climate Security Discourse: From Vulnerabilities and Threats to Human Capabilities and Social Resilience*.
8:30 Andrew Baldwin*, Durham University, *Racializing climate security: whiteness and environmental migration*.
8:45 Belinda Dodson*, University Of Western Ontario, *Thinking Beyond "Climate Refugees": De-Securitizing the Discourse on Climate Change and Migration*.
Discussant(s): Julian DM Reid, University of Lapland
- 2140. New Immigration Destinations in the U.S. I: New Destinations for Latino Immigrant Labor (Sponsored by Political Geography Specialty Group, Urban Geography Specialty Group, Cultural Geography Specialty Group)**
Room: 205 - Washington State Convention Center, Level 2
(Paper Session)
ORGANIZER(S): Monica Varsanyi, City University of New York; Mathew Coleman, Ohio State University
CHAIR(S): Lise Nelson, University of Oregon
8:00 Jill Lindsey Harrison*, University of Wisconsin-Madison, *Illegality at Work: Deportability and the Productive New Era of Immigration Enforcement*.
8:20 Sarah A. Blue, PhD*, Northern Illinois University, *Gendered Labor and Gendered Labor Recruitment: Latino Migrant Experiences in New Orleans*.
8:40 Laurie Trautman*, University of Oregon, *Latino immigrants and rural gentrification: Race, legality and flexible labor markets in U.S. rural amenity destinations*.
9:00 Jennifer Mendez*, The College of William and Mary, *Latin@s in the "Cradle of Democracy:" Migration and Spatial Dynamics in Williamsburg, VA*.
Discussant(s): Altha J. Cravey, University Of North Carolina
- 2141. Developing an Ecosocialist Politics of Technology I: Dialectics of Technopolitics (Sponsored by Socialist and Critical Geography Specialty Group)**
Room: 206 - Washington State Convention Center, Level 2
(Paper Session)
ORGANIZER(S): Salvatore Engel-DiMauro, SUNY New Paltz; David Correia, University Of New Mexico
CHAIR(S): David Correia, University Of New Mexico
8:00 Autumn Thoyre*, UNC-Chapel Hill, *Climate change and light bulbs: Examining the connection in the discourses of American environmental groups*.
8:15 Paula Decker*, University of Arizona, *Technologies of governance and control in the reintroduction of Mexican wolves*.
8:30 Elizabeth Johnson*, University of Minnesota - Minneapolis, *Politicizing the Banality of RoboBees, or: Musings on Technoscience and the Quotidian*.
- 2143. Geography, Liberal Arts, and Interdisciplinarity: Strategies for a Shared Space (Sponsored by Stand-Alone Geographers Affinity Group, Graduate Student Affinity Group, Geography Education Specialty Group)**
Room: 212 - Washington State Convention Center, Level 2
(Panel Session)
ORGANIZER(S): David Seward Salisbury, University Of Richmond; Mary Finley-Brook, University of Richmond
CHAIR(S): William G. Moseley, Macalester College
Introducer: David Seward Salisbury
Discussant(s): Mary Finley-Brook, University of Richmond
Panelists: William G. Moseley, Macalester College; Peter B. Nelson, Middlebury College; Karen M. Morin, Bucknell University; Maureen Hays-Mitchell, Colgate University; Stephen Hanna, University of Mary Washington; Mark Bjelland, Gustavus Adolphus College
- 2145. Topics in Coastal and Marine Geography: Student Paper Merit Competition I (Sponsored by Coastal and Marine Specialty Group)**
Room: 214 - Washington State Convention Center, Level 2
(Paper Session)
ORGANIZER(S): Thomas Richard Allen, East Carolina University
CHAIR(S): Thomas Richard Allen, East Carolina University
8:00 Andrew T Bennett*, East Carolina University, *Land cover in the Coastal Barrier Resources System: Has policy prevented development?*.
8:20 Marilyn C Montgomery*, University of South Florida; Jayajit Chakraborty, University of South Florida, *Vulnerability to Coastal and Inland Flood Hazards: A Comparison of GIS-Based Spatial Interpolation Techniques*.
8:40 Brian Marks*, University of Arizona, *Trajectories of Land Use and Farming Systems Change in the Coastal Mekong Delta of Vietnam*.
9:00 Nicole M Caldwell*, University of West Florida, *Assessment of Beachgoers' Perception of Rip Currents at Pensacola Beach, Florida*.
9:20 Katherine Renken*, Louisiana State University; Patrick Hesp, Louisiana State University, *Evolution of transverse dunes into parabolic dunes, Manawatu region, New Zealand*.
- 2146. Wind energy in the 21st century: ecological, socio-economic, and environmental impacts (Sponsored by Energy and Environment Specialty Group)**
Room: 2A - Washington State Convention Center, Level 2
(Paper Session)
ORGANIZER(S): Michael Slattery, Texas Christian University
CHAIR(S): Michael Slattery, Texas Christian University
8:00 Eric Lantz, National Renewable Energy Laboratory; Becky Johnson*, Texas Christian Univ.; Michael C. Slattery, Dr., Texas Christian Univ., *Economic impacts of large-scale wind farm development at the County and State Level: A Texas Case Study*.
8:20 Becky Johnson, PG, Texas Christian University; Michael Slattery, Dr., Texas Christian University; Leslie Llado*, Texas Christian University, *Comparison of Socioeconomic Implications of the Wind Industry in Texas and Iowa: A Case Study*.
8:40 Amanda M Hale, PhD*, Texas Christian University; Kristopher B Karsten, PhD, Texas Christian University, *The Cost of Going Green - Direct Impacts of Wind Energy on Birds and Bats*.

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- 9:00** Kristopher B. Karsten*, Texas Christian University; Amanda M. Hale, Texas Christian University; Jeffrey A. Meyer, Texas Christian University; Trevor G. Rubenstahl, Texas Christian University; Erin S. Hatchett, Texas Christian University; Thomas K. Stevens, Texas Christian University, *Indirect Effects of Wind Turbines on Summer and Winter Grassland Bird Communities in Texas.*
- 9:20** Yuyu Zhou*, PNNL; Leon Clarke, PNNL; Patrick Luckow, PNNL, *High Resolution Mapping of Global Potential Onshore Wind Energy And Its Application in Integrated Modeling.*
- 2147. Remote Sensing/GIS/Cartography of Human Environment Interactions (Sponsored by Geographic Information Science and Systems Specialty Group, Remote Sensing Specialty Group, Cartography Specialty Group)**
Room: 2B - Washington State Convention Center, Level 2 (Illustrated Paper Session)
 ORGANIZER(S): Benjamin Tuttle, University of Denver/University of Colorado, Boulder; Kristina Yamamoto, University of Denver
 CHAIR(S): Kristina Yamamoto, University of Denver
8:00 Benjamin Tuttle*, University of Denver/NGA; Sharolyn Anderson, University of Denver; Paul Sutton, University of Denver; Chris Elvidge, NOAA/NGDC; Kim Baugh, University of Colorado, Boulder; Rebecca Powell, University of Denver, *Aladdin's Magic Lamp: A methodology for improving nighttime lights time series analysis.*
8:05 Kristina Yamamoto*, University of Denver, *Using LiDAR Data to Characterize Sea Turtle Nesting Beaches in Florida.*
8:10 Joseph Hoover*, University of Denver; Jeffrey M. Brideau, University of Maryland; Brian G Voigt, Ph.D., Gund Institute for Ecological Economics; Charles J Vorosmarty, Ph.D., City College - CUNY, *Use of spatial statistics to develop an historical narrative for water resources in the Northeast United States.*
8:15 Timothy Maxwell Wright*, Clark University; John Rogan, Ph.D., Clark University, *An analysis of the complex human-environmental factors which drive fragmentation in Massachusetts and its implications for future development and conservation.*
8:20 Brenton Wonders*, University of Denver, *An Analysis of Introduced Projection Error from Commercial Software Packages.*
8:25 Matthew Vogt*, Oregon State University; Timothy Inman, Oregon State University; Hannah Gosnell, Ph.D., Oregon State University, *Maps and Locals (MALs): An Integrated Approach to Analyzing Land Use, Land Cover, and Land Ownership Change in the McKenzie River Basin, Oregon.*
8:30 Kathryn-Louise Meng*, Clark University, *Demographic Influences on Land Use in Ipswich, Massachusetts.*
8:35 Gary T. LaVanchy*, University of Denver, *Urban Contingencies & Market Garden Vulnerability in peri-urban Dakar.*
8:40 Sharolyn Anderson*, University of Denver, *Using International Space Station nighttime photographs to characterize land use and population patterns in New Delhi, India.*
8:45 Anna Talucci*, University of Denver, *Visualizing the Effects of Growth Management Policies in Boulder, CO.*
- 2148. Chairs' Symposium: Making the Case for Geography I (Sponsored by Enhancing Departments and Graduate Education project (EDGE))**
Room: Cirrus Ballroom - Sheraton Hotel, Pike Tower, Thirty Fifth Floor (Panel Session)
 ORGANIZER(S): Kenneth E. Foote, University of Colorado
 CHAIR(S): Kenneth E. Foote, University of Colorado
 Introducer: Kenneth E. Foote
 Panelists: James W. Harrington, University of Washington; Alexander B. Murphy, University of Oregon
- 2150. Urban spaces of the Global South: Moving past the developmentalist framework (Sponsored by Qualitative Research Specialty Group, Urban Geography Specialty Group)**
Room: Boren - Sheraton Hotel, Union Tower, Fourth Floor (Paper Session)
 ORGANIZER(S): Leslie McLees, University of Oregon
 CHAIR(S): Leslie McLees, University of Oregon
8:00 Ryan Burns*, University of Washington, *Software-sorted Geographies of the Urban Global South.*
8:20 Jennifer Rogalsky*, SUNY - Geneseo, *Susus and social networks as coping mechanisms in urban informal markets in Kumasi and Accra, Ghana.*
8:40 Kathryn Furlong*, Université de Montréal, *Rethinking the 'customer': the Empresas Públicas de Medellín and water supply in low-income communities.*
9:00 Leslie McLees*, University of Oregon, *Urban agriculture and legitimate urban practice: A qualitative analysis of open-space farms in Dar es Salaam, Tanzania.*
- 2151. Urban Parks and Forests in Geographical Perspective**
Room: Columbia - Sheraton Hotel, Union Tower, Fourth Floor (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Joseph Poracsky, Portland State Univ
8:00 Romain Lajarge, Assistant Professor, University of Grenoble, France; Claire Tollis, PH.D. student*, University of Grenoble, France, *From nature zones to nature territories : a matter of care ? About parks, reserves and wilderness in Europe and in the USA..*
8:20 Phil Birge-Liberman*, Bridgewater State University, *Do Urban Parks Make Cents? Measuring the Impact of Park Restoration on Property Values in Boston, Massachusetts.*
8:40 Meghan Lynn Rodier*, Ohio University, *The Role of Nonprofit Environmental NGOs in Urban Community Forestry.*
9:00 Jindong Wu*, California State University, Fullerton; Kyle Myrick, California State University, Fullerton, *Assessing the Effects of Urban Trees on Environmental Quality with Multi-Sources Satellite Imagery in Southern California.*
9:20 Joseph Poracsky*, Portland State Univ, *An Integrated Urban Forestry Program: The Portland, Oregon Example.*
- 2152. Critical Perspectives on Performativity: 4. Performativity, Space, and Politics (Sponsored by Political Geography Specialty Group, Socialist and Critical Geography Specialty Group)**
Room: Jefferson - Sheraton Hotel, Union Tower, Fourth Floor (Paper Session)
 ORGANIZER(S): Michael R. Glass, University of Pittsburgh; Reuben S. Rose-Redwood, University of Victoria
 CHAIR(S): Michael R. Glass, University of Pittsburgh
 Introducer: Michael R. Glass
8:05 Reuben S. Rose-Redwood*, University of Victoria; Brian Tucker, University of Victoria, *Inventing the 'Salish*

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Sea': Toponymic Rescaling, Performativity, and the Making of Transnational Spaces.

8:25 Philippe Le Billon*, University of British Columbia, *Extracting Transparency: Petro-Capitalism and the Spectacle of Good Governance.*

8:45 Robert Kaiser*, University of Wisconsin - Madison, *Performativity and the Eventfulness of Bordering Practices.*

9:05 Carolin L. Schurr*, University of Berne, *Performing political space differently? The performative power of 'new' political subjects in Ecuador.*

Discussant(s): E Jeffrey Popke, East Carolina University

2154. Population Distribution (Sponsored by Population Specialty Group)

Room: Pike - Sheraton Hotel, Union Tower, Fourth Floor (Paper Session)

ORGANIZER(S): Rachel S. Franklin, Brown University
CHAIR(S): Robert M Leddy, U.S. Bureau Of the Census

8:00 Paul J. Mackun*, U.S. Census Bureau, *The 2010 Metropolitan and Micropolitan Statistical Area Standards.*

8:20 Kelly Sims*, Oak Ridge National Laboratory; Budhendra L Bhaduri, Oak Ridge National Laboratory; Eddie A Bright, Oak Ridge National Laboratory; Phil R Coleman, Oak Ridge National Laboratory, *United States Ports and their Tourists: A look at unaccounted population influxes.*

8:40 Nagendra Singh*, Oak Ridge National Laboratory; Mark Tuttle, Oak Ridge National Laboratory, *Refining Population Distribution - Day Care in America.*

9:00 Ruben Mercado*, University of Toronto, *Investigating Changes in Travel Behaviour of the Older Population in the Greater Toronto and Hamilton Area, 1986-2006.*

9:20 Robert M Leddy*, U.S. Bureau Of the Census, *Subnational Population Estimates in a GIS as a Tool for Responding to Global HIV/AIDS.*

2158. Influences on Hazard Perception, Preparedness, and Impacts (Sponsored by Hazards Specialty Group)

Room: University - Sheraton Hotel, Union Tower, Fourth Floor (Paper Session)

ORGANIZER(S): Mathew Schmidlein, California State University, Sacramento

CHAIR(S): Mathew Schmidlein, California State University, Sacramento

8:00 Graham A. Tobin*, University of South Florida; Linda M Whiteford, University of South Florida; Arthur D Murphy, University of North Carolina Greensboro; Eric C Jones, University of North Carolina Greensboro; Sandra G Kling, University of South Florida; Cecilia Vindrola Padros, University of South Florida, *Individual Well-Being in Risk Perception and Evacuation for Chronic vs. Acute Hazards in Mexico.*

8:20 Johanna L. Ostling*, Texas State University - San Marcos, *Previous Experience with Tropical Cyclones as an Indicator of Future Protective Actions: The Expatriate Element.*

8:40 Christine Eriksen*, University of Wollongong, *Playing with Fire? Wildfire and Everyday Life in Changing Rural Landscapes in Australia.*

9:00 Philip L. Chaney*, Auburn University; Greg S. Weaver, Auburn University, *Mobile Home Resident Vulnerability during the 2008 Super Tuesday Tornado Disaster at Macon County, TN..*

9:20 Timothy W. Collins*, University of Texas - El Paso; Anthony Jimenez, University of Texas - El Paso; Yolanda McDonald, University of Texas - El Paso; Lorena Sifuentes, University of Texas - El Paso, *Health Inequalities in Disaster: An Examination of Households Experiencing Home Site Damage in the 2006 El Paso County Floods.*

2159. International Migration (Sponsored by Population Specialty Group)

Room: Virginia - Sheraton Hotel, Union Tower, Fourth Floor (Paper Session)

ORGANIZER(S): Rachel S. Franklin, Brown University

CHAIR(S): Richard C. Jones, University Of Texas at San Antonio

8:00 Devon A. Hansen*, University of North Dakota, *New Americans in North Dakota: Welcoming and helping refugees integrate into the Grand Forks Community.*

8:20 Charlotta Hedberg*, Stockholm University; Karen Haandrikman, Stockholm University, *Processes of international migration to the Swedish countryside - Possibilities for a 'demographic refill'.*

8:40 Amy E. Potter*, Louisiana State University, *Fighting For the Rock at Home and Abroad: Transnational Migration and Land Tenure on the Island of Barbuda.*

9:00 Fernando Riosmena*, University of Colorado at Boulder; Rene Zenteno, Ph.D., Secretaría de Gobernación, Gobierno de México, *Trends in Origin-Destination Flows in Mexico - US Migration.*

9:20 Richard C. Jones, Professor of Geography*, University Of Texas at San Antonio, *Centering Geography in the Migration-Development Nexus, with a Mexican Case Study.*

2161. Spatial Optimization and GIS I (Sponsored by Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group)

Room: Ballard - Sheraton Hotel, Pike Tower, Third Floor (Paper Session)

ORGANIZER(S): Daoqin Tong, University of Arizona

CHAIR(S): Daoqin Tong, University of Arizona

8:00 Grant Fraley*, Department of Geography, San Diego State University; Piotr Jankowski, PhD, Department of Geography, San Diego State University; Gernot Paulus, PhD, School of Geoinformation, Carinthia University of Applied Sciences, *Integrating Topology with Multi-Objective Algorithms for Spatial Optimization.*

8:20 Michael Kuby, PhD*, Arizona State University; Richard S. Middleton, PhD, Los Alamos National Laboratory; Jeffrey M Beilicki, PhD, University of Minnesota, *Benefits of Network Optimization for Planning Carbon Capture and Storage Infrastructure Systems.*

8:40 Micah L Brachman*, Department of Geography, University of California, Santa Barbara; Richard L Church, Department of Geography, University of California, Santa Barbara, *Optimizing Safe Routes to Schools.*

9:00 Myungjin Kim*, Department of Geography, The Ohio State University, 1036 Derby Hall, 154 North Oval Mall, Columbus, OH 43210; Ningchuan Xiao, Department of Geography, The Ohio State University, 1036 Derby Hall, 154 North Oval Mall, Columbus, OH 43210, *Exact optimization models for political redistricting problems.*

9:20 Daoqin Tong*, University of Arizona; David A Plane, School of Geography and Development, University of Arizona, *New Spatial Optimization Models for Delineating Metropolitan and Mircropolitan Statistical Areas.*

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Room: Fremont - Sheraton Hotel, Union Tower, Third Floor

(Paper Session)

ORGANIZER(S): Shanon Donnelly, University of Akron

CHAIR(S): James J. Hayes, California State University Northridge

8:00 Michelle Davis*, University of Akron, *Subcultures and spatial processes: Fox hunting's legacy on a North East Ohio landscape.***8:20** Andrea Presotto, M.S., Ph.D.*, UGA; Yuri Tavares Rocha, Ph.D., U. of Sao Paulo, *Landscape, theory and perception: case study in Ilhabela (Sao Paulo, Brazil).***8:40** Korine N. Kolivras*, Virginia Tech; Candice R. Luebbering, Virginia Tech; Lynn M. Resler, Virginia Tech, *Evaluating differences in landscape interpretation between webcam and field-based experiences.***9:00** Joseph J. Kerski, Ph.D.*, Esri, *Examining Landscapes with Cloud-Based GIS.*

Discussant(s): James J. Hayes, California State University Northridge

2165. Beijing and Beyond: Mega-events in Chinese Urban Transformation (Sponsored by China Specialty Group, Urban Geography Specialty Group)

Room: Greenwood - Sheraton Hotel, Union Tower, Third Floor

(Paper Session)

ORGANIZER(S): Piper Gaubatz, University Of Massachusetts

CHAIR(S): Piper Gaubatz, University Of Massachusetts

8:00 Roger C.K. Chan*, The University of Hong Kong, *Creative Clusters in Shanghai.***8:20** Lingyue Li*, Roger C. K. Chan, *Making 2010 Expo Park for Shanghai: The Urban Growth Coalition and The Reconfigured Urban Space.***8:40** Juan Li*, University of St. Thomas, *Globalization and The Chinese National Identity: Discourses of the Nation in the 2008 Beijing Olympics' Opening Ceremony.***9:00** Piper Gaubatz*, University Of Massachusetts, *Urban Transformation & Mega-Events in Chinese Cities.***2166. Urbanization, Environmental Change, and Sustainability (I) (Sponsored by China Specialty Group, Remote Sensing Specialty Group, Urban Geography Specialty Group)**

Room: Issaquah A - Sheraton Hotel, Union Tower, Third Floor

(Paper Session)

ORGANIZER(S): Qihao Weng, Indiana State University

CHAIR(S): Hua Liu, Old Dominion University

8:00 Qihao Weng*, Indiana State University, *Urban biophysical feature space across biomes in the United States.***8:20** Weiqi Zhou*, University of California, Davis; Ganlin Huang, University of California, Davis; Mary L Cadenasso, University of California, Davis, *Potential effects of composition and configuration of land cover features on land surface temperature in urban landscapes.***8:40** Yujian Wang*, *Urban Development and Urban Planning in Contemporary China-A Case Study of Chengdu.***9:00** Bingqing Liang*, Mansfield University of Pennsylvania; Qihao Weng, Indiana State University, *Characterizing Urban Landscape by Using Fractal-based Texture Information.***9:20** Hua Liu*, Old Dominion University; Qihao Weng, Indiana State University, *Landscapes metrics for analyzing urbanization-induced land use and land cover changes.***2167. Climate and Human Health (Sponsored by Health and Medical Geography Specialty Group)**

Room: Issaquah B - Sheraton Hotel, Union Tower, Third Floor

(Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): David Keellings, University of Florida

8:00 Donna A Hartz*, Arizona State University, *Heat and Health: Morbidity in Chicago, IL 2003 - 2006.***8:20** James D Tamerius*, University of Arizona, *Global Influenza Seasonality.***8:40** Douglas Rivet*, Western Michigan University; Kathleen Baker, Western Michigan University, *Non-parametric interpolation in weather-based disease forecasting systems.***9:00** Iván J. Ramírez*, Michigan State University/ Consortium for Capacity Building, *Rethinking El Niño-Cholera Associations in Perú.***9:20** David Keellings, MS*, University of Florida, *The Stochastic Properties of High Daily Maximum Temperatures.***2168. Visuality in the Geographies of Transport and Mobilities (Sponsored by Transportation Geography Specialty Group)**

Room: Kirkland - Sheraton Hotel, Union Tower, Third Floor

(Paper Session)

ORGANIZER(S): Julie Cidell, University of Illinois

CHAIR(S): Jake Coolidge, San Jose State University

8:00 Jake Coolidge*, San Jose State University, *No Little Plans: The Re-Imagining of Rapid Transit in North America.***8:20** Dudley Bonsal*, University of Minnesota, *Decibel Contour Mapping, Land Use, and the Pursuit of Airport Noise Abatement.***8:40** Rosie Emery*, The University of Sheffield, *Cars and the Countryside: Researching Performances of the 'Rural'.*

Discussant(s): David Bissell, The Australian National University

2169. The climate change challenge and geographies of transport and mobilities I (Sponsored by Transportation Geography Specialty Group)

Room: Leschi - Sheraton Hotel, Union Tower, Third Floor

(Paper Session)

ORGANIZER(S): Tim Schwanen, University of Oxford

CHAIR(S): Martin Dijst, Utrecht University

8:00 Stewart Barr*, University of Exeter; Jan Prillwitz, Utrecht University, *'Holidays are Holidays': tourism, mobility and sustainability in an age of climate change.***8:20** Tim Schwanen*, University of Oxford, *The intricacies of behavior change, or why many attempts to make passenger transport more sustainable are doomed to fail.***8:40** Ivo Wengraf*, University of Liverpool, *The Geography of the G-Wiz Electric Vehicle.***9:00** John Baker*, University at Buffalo, *Applying a Systems Dynamics Modeling Framework to Urban Transportation.***9:20** Karen Anderton*, Transport Studies Unit, Oxford University, *Examining sub-national governance: interaction and collaboration in addressing the climate impact of cars.*

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- 2170. Global suburbanisms: conceptual departures 1**
Room: *Medina - Sheraton Hotel, Union Tower, Third Floor*
 (Panel Session)
 ORGANIZER(S): Roger Keil, York University
 CHAIR(S): Ute Lehrer, York University
 Introducer: Roger Keil
 Panelists: Deborah Cowen, University of Toronto; Stefan Kipfer, York University; Byron A. Miller, University of Calgary; Elvin K. Wyly, University of British Columbia; Douglas Young, York University; Per G Røe, University of Oslo, Department of Sociology and Human Geography
- 2171. Perception of Environment and Risk (Sponsored by Environmental Perception and Behavioral Geography Specialty Group)**
Room: *Metropolitan Ballroom A - Sheraton Hotel, Third Floor*
 (Paper Session)
 ORGANIZER(S): Christopher Badurek, Appalachian State University
 CHAIR(S): Christopher Badurek, Appalachian State University
8:00 Kerri Jean Ormerod*, University of Arizona; Christopher A Scott, University of Arizona, *Keeping up with Urban Growth: The Paradox of Potable Water Reuse.*
8:20 Iija H.J. Tromp-van Meerveld*, Simon Fraser University; Valorie A Crooks, Simon Fraser University, *Public Perceptions On Drinking Water In Coastal British Columbia.*
8:40 Rachel A Hirsch, PhD*, FES, York University, *Pesticide policy preference and risk perception in Canada: A case comparison in the neighborhood context.*
9:00 Jessica E Pack*, Appalachian State University; Molly G Mehling, Miami University Ohio; Christopher A Badurek, Appalachian State University, *Environmental Contaminants and Risk Perception: Public Knowledge, Attitudes, and Policy Implications.*
- 2172. For Julie Graham: Celebrating Julie Graham's Contributions and Exploring the Future of her Work (Sponsored by Geographic Perspectives on Women Specialty Group, Economic Geography Specialty Group)**
Room: *Metropolitan Ballroom B - Sheraton Hotel, Third Floor*
 (Panel Session)
 ORGANIZER(S): Kevin St. Martin, Rutgers University; Stephen Healy, Worcester State University
 CHAIR(S): Kevin St. Martin, Rutgers University
 Panelists: Katherine Gibson, University of Western Sydney; Eric S. Sheppard, University of Minnesota - Minneapolis; John Paul Jones, University of Arizona; Andrew Leyshon, University of Nottingham; Paul Robbins, University of Arizona; Deborah Thien, California State University, Long Beach; Roger Lee, Queen Mary, University Of London; Sallie A. Marston, University of Arizona
- 2173. Learning for sustainability: geography, community engagement and citizenship (Sponsored by International Network for Learning & Teaching Geography in Higher Education (INLT))**
Room: *Queen Anne - Sheraton Hotel, Union Tower, Third Floor*
 (Paper Session)
 ORGANIZER(S): Eric Pawson, University of Canterbury; Lindsey J McEwen, University of Gloucestershire
 CHAIR(S): Lindsey J McEwen, University of Gloucestershire
8:00 Lindsey J McEwen*, University of Gloucestershire, *Stakeholder perceptions of University-community engagement for flood education: digital stories of River Severn flood memories.*
- 8:20** Péter Bagoly-Simó*, *Our and Your Sustainability. Concepts in Geography School Curricula in International Comparison.*
8:40 LaDona G. Knigge*, California State University, Chico, *Civic spaces, civic learning and the Chico Farmers Market: The benefits and challenges of collaborative, community-based research across disciplines and communities.*
9:00 Kenneth D Lynch*, University of Gloucestershire; Lindsey J McEwen, University of Gloucestershire, *Community engaged learning: potential for Geography and related disciplines.*
- 2174. Researching food justice: re-imagining food spaces and (in) justices in both practice and theory (Part 1)**
Room: *Ravenna - Sheraton Hotel, Union Tower, Third Floor*
 (Paper Session)
 ORGANIZER(S): Jesse McEntee, Cardiff University; Alison Alkon, University of California, Davis
 CHAIR(S): Julian Agyeman, Tufts University
8:00 Jesse C McEntee*, Cardiff University; Julian Agyeman, Tufts University, *Shifting rural food geographies: spatial dialectics of food injustice.*
8:20 Thor Ritz*, Syracuse University, *Food Sovereignty for the City? Toward a Geography of Food Politics and Urban Agriculture.*
8:40 Kari Norgaard*, Whitman College; Ron Reed, Karuk Tribe of California, *Institutional Racism, Hunger and Nutritional Justice on the Klamath.*
 Discussant(s): Alison Alkon, University of California, Davis
- 2175. Tourism Geographies, 'Sustainabilities' and Global Change I: Southern Perspectives (cosponsor: IGU Tourism Commission) (Sponsored by Recreation, Tourism, and Sport Specialty Group)**
Room: *Wallingford - Sheraton Hotel, Union Tower, Third Floor*
 (Paper Session)
 ORGANIZER(S): Alan A. Lew, Northern Arizona University; Jarkko Saarinen, University of Oulu
 CHAIR(S): Jarkko Saarinen, University of Oulu
8:00 Pierre Walter*, University of British Columbia, *Cultural Survival, Revival and Ethno-pilfering: Case Studies of Community-based Ecotourism in Southeast Asia.*
8:20 Jacqueline Salmond*, University of Kentucky, *Limiting Consumption and Production within Tourism: A Way Forward?.*
8:40 Andrea Brooke Hall, M.S.*, *Tourism in Tropical Karst Landscapes, Case Study: Puerto Rico.*
9:00 Eric Nost*, *The Power of Place: Tourism and Sustainable Development in Costa Rica's Caribe Sur.*
9:20 Jarkko Saarinen*, University of Oulu, *Tourism for (Sustainable) Development? Inequalities and Challenges of Indigenous Tourism in Northern Namibia.*
- 2179. Space-Time Integration in Geography and GIScience: Opening Plenary (Sponsored by Space-Time Symposium)**
Room: *Grand Ballroom A - Sheraton Hotel, Second Floor (Plenary Session)*
 ORGANIZER(S): Douglas Richardson, Association of American Geographers
 CHAIR(S): Douglas Richardson, Association of American Geographers
8:00 Douglas Richardson, Association of American Geographers
8:15 Michael Goodchild, University of California - Santa Barbara
8:30 Mei-Po Kwan, Ohio State University
8:45 Tomoki Nakaya, Geography Department, Ritsumeikan University
9:00 Peter Bol, Harvard University
9:15 Chai Yanwei, College of Urban and Environmental Sciences, Peking University

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- 2183. Remote Sensing and Topography / Geomorphology**
Room: *Juniper Room - Sheraton Hotel, Second Floor (Paper Session)*
 ORGANIZER(S): Program Committee
 CHAIR(S): Bryce Marston, University of Nebraska - Omaha
8:00 Jaehyung Yu*, Texas A & M University-Kingsville;
 Hongxing H Liu, University of Cincinnati; Lei Wang,
 Louisiana State University, *Topographic Classification of Antarctic Coastline based on ICESat Laser Altimetry along-track profiles.*
8:20 Aaron T. Lingelbach*, U.S. Geological Survey, Rolla, MO;
 James E. Kaufmann, U.S. Geological Survey, Rolla, MO, *Accuracy of identification of sinkholes from LIDAR elevation data in the Buffalo National River region, Arkansas, USA.*
8:40 Leonhard Blesius*, San Francisco State University;
 Frank Weirich, IIHR Hydroscience & Engineering and Department of Geoscience, University of Iowa, *Deriving geotechnical parameters from high-resolution satellite imagery for landslide susceptibility mapping..*
9:00 Bo Xu*, California State University, San Bernardino;
 Fuyuan Liang, Western Illinois University, *Geomorphological mapping of karst landforms using digital elevation data and remote sensing imagery.*
9:20 Bryce Marston*, University of Nebraska at Omaha;
 Michael Bishop, Professor, University of Nebraska at Omaha; John Shroder, Professor, University of Nebraska at Omaha; Jeffrey Olsenholler, University of Nebraska at Omaha, *Multi-Scale and Object-Oriented Analysis for Mountain Terrain Segmentation and Geomorphological Assessment.*

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- 2203. Enhancing Geographic Education 2**
Room: *603 - Washington State Convention Center, Level 6 (Paper Session)*
 ORGANIZER(S): Program Committee
 CHAIR(S): Richard Kujawa, Saint Michael's College, Vermont
10:00 Lisa K. Tabor*, Kansas State University, *Using Geography to Help Teach History: Dual-Encoding History Lesson Plans.*
10:20 Scott Elliot*, SEG Research, *A quasi-experimental study of visually enhanced textbook effectiveness.*
10:40 Eric Samson*, Central Connecticut State University; TxState University-San Marcos; Mayan Esteem Project, *International Students-English Mentors Exchange Program.*
11:00 Bryon Middlekauff*, Plymouth State University, *Globalization of the US Auto Industry.*
11:20 Richard Kujawa, Ph.D.*, Saint Michael's College, Vermont; Ellen Kujawa, Mount Holyoke College, *Using Kiwi fruit as a vehicle for teaching critical human geography to non-majors.*
- 2204. Historical geographies of western North America Session 2 (Sponsored by Historical Geography Specialty Group)**
Room: *604 - Washington State Convention Center, Level 6 (Paper Session)*
 ORGANIZER(S): William Wyckoff, Montana State University; Matthew Evenden, Department of Geography, University of British Columbia
 CHAIR(S): William Wyckoff, Montana State University
10:00 Teresa H. Cohn, PhD*, Montana State University, *Settlement, Identity and Environment: Understanding Processes of Vegetation Change Along the Wind River.*
- 10:20** Matthew Evenden*, Department of Geography, University of British Columbia, *War and waterpower in western Canada, 1939-1945.*
10:40 David A. Rossiter*, Western Washington University, *Playing Above the City: (Re)Creating Vancouver, BC's North Shore.*
11:00 Howard M. Stewart, PhD Candidate*, Department of Geography, University of British Columbia, *Environmental Histories of the Strait of Georgia / north Salish Sea - Plus ça change...*
11:20 Jonathan Peyton*, University of British Columbia, *Cassiar Asbestos: Material Environments and Failed Geographies in Northwest British Columbia.*
- 2206. Biogeomorphology and Wildland Fire**
Room: *606 - Washington State Convention Center, Level 6 (Paper Session)*
 ORGANIZER(S): Program Committee
 CHAIR(S): Ryan Bart
10:00 Christopher A Underwood*, The University of Tennessee; Sally P Horn, The University of Tennessee, *Stand-Specific Records of Prehistoric Forest Composition and Fire History from Soil Charcoal in the Southern Appalachian Mountains, U.S.A..*
10:20 James Burt*, University of Wisconsin - Madison; Huang Wei, HuaZhong Agricultural University, Wuhan; A-Xing Zhu, University of Wisconsin-Madison; Cynthia Stiles, National Resources Conservation Service; Carl Wacker, National Resources Conservation Service; Jon Hempel, National Resources Conservation Service, *Quality Assessment of Digital-Predictive and Conventional Soil Mapping at Watershed Scales.*

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- 10:40** Aaron Burkholder, MA*, West Virginia University; Nathan Odgers, PhD, West Virginia University; Sharon Whitmoyer Waltman, MS, USDA-NRCS-NSSC-Geospatial Research Unit; Zamir Libohova, PhD, West Virginia University; James Thompson, PhD, West Virginia University, *Digital Soil Mapping: A GlobalSoilMap.net case study on the United States - Mexico border.*
- 11:00** Kevin Hyde*, U of Montana / USFS ColCon, *Quantifying Vegetation Disturbance and Landscape Response Following Wildfire.*
- 11:20** Ryan Bart*, San Diego State University; Allen Hope, San Diego State University, *Application of a Meta-Analytic Technique for Assessing the Effects of Fire on River Flows in Southern California.*
- 2207. Climate Change**
Room: 607 - Washington State Convention Center, Level 6
(Paper Session)
ORGANIZER(S): Program Committee
CHAIR(S): Michael Tinker, University Colorado Denver
- 10:00** Goeun Lee, Seoul National University; Kun-Bae Yu, Seoul National University; Jongnam Choi*, Western Illinois University, *Climate Changes in North Korea.*
- 10:20** Karen Russ*, University of Wisconsin - Madison, *Response of the Hydrological Cycle to Global Warming in a Transient Simulation of the Last 22,000 Years.*
- 10:40** Jeffrey S Deems, PhD*, Western Water Assessment, University of Colorado; Thomas H Painter, PhD, NASA Jet Propulsion Laboratory; Jayne Belnap, PhD, USGS; Alan F Hamlet, PhD, University of Washington; Christopher C Landry, Center for Snow and Avalanche Studies; Bradley H Udall, NOAA Western Water Assessment, *Impacts of current and future dust deposition on Colorado River basin hydrology.*
- 11:00** Michael Tinker, MS Environmental Science, BA Biology*, University of Colorado Denver, USGS, *Method to Generalize the National Hydrography Dataset using Environmental Data.*
- 11:20** Binlei Gong*, *The Performance of Renewable Portfolio Standards in the Contiguous United States and Each Region.*
- 2208. A Proposed Geographic Support System Initiative for the U.S. Census Bureau - An Integrated Program for Improvements**
Room: 608 - Washington State Convention Center, Level 6
(Panel Session)
ORGANIZER(S): Timothy F. Trainor, U.S. Census Bureau
CHAIR(S): Timothy F. Trainor, U.S. Census Bureau
Panelists: Stuart C. Irby, Census Bureau; Atri Kalluri, U.S. Census Bureau; Leslie Goodwin, U.S. Census Bureau; Andrea Johnson, U.S. Census Bureau; Timothy F. Trainor, U.S. Census Bureau
- 2209. Spatial Cloud Computing (SCC): Platform as a Service (PaaS) and Software as a Service (SaaS) (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group, Communication Geography Specialty Group)**
Room: 609 - Washington State Convention Center, Level 6
(Paper Session)
ORGANIZER(S): Chaowei Yang, CISC/GMU; Robert Raskin, Jet Propulsion Lab
CHAIR(S): Dawn J. Wright, Oregon State University
Introducer: Krishna Kumar
- 10:20** Xuan Shi*, Georgia Tech; Sushil Prasad, Georgia State University, *Computing in the cloud: Research Questions in GIS Vector Data Overlay Processing on Azure Platform.*
- 10:40** Michael P. Peterson*, University of Nebraska, *Spatial Cloud Computing with Google Maps API.*
- 11:00** Cao Kang*, Clark University, *A Distributed Storage Schema for Cloud Computing based Raster GIS Systems.*
Introducer: Abdelmounaam Rezgui
- 2211. Geographies of Law and Environmental Regulation II**
Room: 611 - Washington State Convention Center, Level 6
(Paper Session)
ORGANIZER(S): Steve Herbert, University of Washington; Gregory Hicks, University of Washington
CHAIR(S): Gregory Hicks, University of Washington
- 10:00** Johanna Haas*, Illinois State University, *Law and nature, Permanence and change: The interactions of law with mountaintop removal mining in Appalachia.*
- 10:20** Melinda Harm Benson*, University of New Mexico, *Geographies of Mt. Taylor: The Legal, Political and Cultural Implications of Uranium Mining in one of New Mexico's Most Sacred Spaces.*
- 10:40** James McCarthy*, Penn State; Eleanor Andrews, Penn State, *Scale, shale, and governance: legal geographies of Marcellus Shale commodification.*
- 11:00** Steve Herbert*, University of Washington, *Whale Watching Wars: The Endangered Species Act and Struggles Over Zoning in the Salish Sea.*
- 11:20** Sean Robertson*, Simon Fraser University, *Declarations of our death have been greatly exaggerated: witnessing the "extinction" of the Sinixt peoples.*
- 2212. Regional Agriculture in the United States (Sponsored by Rural Geography Specialty Group)**
Room: 612 - Washington State Convention Center, Level 6
(Paper Session)
ORGANIZER(S): Christopher R. Laingen, Eastern Illinois University
CHAIR(S): Christopher R. Laingen, Eastern Illinois University
- 10:00** Darrell E. Napton*, South Dakota State University, *Land Conversion and Landowner Adaptation in California's Oak Woodlands: 1973 to 2000.*
- 10:20** John Fraser Hart*, University of Minnesota - Minneapolis, *Initial Impact of the Tobacco Buyout Program.*
- 10:40** John C. Hudson*, Northwestern University, *The Organic Valley.*
- 11:00** John A. Cross*, University of Wisconsin-Oshkosh, *Changing Patterns of Cheese Manufacturing in America's Dairyland.*
- 11:20** Chris Laingen*, Eastern Illinois University, *A Drive Through the Corn Belt.*
- 2213. Disaster Management**
Room: 613 - Washington State Convention Center, Level 6
(Paper Session)
ORGANIZER(S): Program Committee
CHAIR(S): Jordan Long, United States Geological Survey
- 10:00** Margaret E Robertson, PhD; Professor of Education*, La Trobe University, *Disaster management, scientific literacy and building local area networks.*
- 10:20** Pauline Cotelle, PhD student*, GESTER - Université of Paul Valéry - France.; Frederic Leone, Professor, Gester; Elkin Velasquez, Coordinator Safer Cities Global Programme, UN-HABITAT, *A geography of urban insecurity in the post-disaster context: the case of New Orleans after hurricane Katrina.*
- 10:40** Yan Yang*, School of Resource and Environmental Science, Wuhan University, Wuhan, China; Texas Center for Geographic Information Science, Department of Geography, Texas state University-San Marcos; F. Benjamin Zhan, Texas Center for

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Geographic Information Science, Department of Geography, Texas State University-San Marcos; Lin Li, School of Resource and Environmental Science, Wuhan University, China, *GIS-Based Analysis of Seismic Hazard in Washington State of the United States*.

11:00 Reza Hassanzadeh*, PhD Candidate- University College Dublin- Ireland; Zorica Nedovic-Budic, Professor of Spatial Planning - University College Dublin - Ireland, *Dynamic Spatial Data Infrastructure for Earthquake Disaster Management*.

11:20 Chandra Giri, ARSC Research and Technology Solutions; Jordan Long*, United States Geological Survey, *Mapping and Monitoring Louisiana's Mangroves in the Aftermath of the 2010 Gulf of Mexico Oil Spill*.

2214. Principled Engagement: Political ecologists and their interactions outside the academy (Sponsored by Cultural and Political Ecology Specialty Group)

Room: 614 - Washington State Convention Center, Level 6 (Panel Session)

ORGANIZER(S): Michael B. Dwyer, University of California, Berkeley; Ian G. Baird, The University of Wisconsin - Madison

CHAIR(S): Ian G. Baird, The University of Wisconsin - Madison
Introducer: Ian G. Baird

Panelists: Kiran Asher, Philip Hirsch, University of Sydney; Fiona Miller, The University of Melbourne; Jesse Ribot, University of Illinois; Matthew Turner, University of Wisconsin-Madison

2215. Weather Related Hazards and Events

Room: 615 - Washington State Convention Center, Level 6 (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Thomas B Williams, Western Illinois University

10:00 Monica Consuelo Zuleta, PhD*, Faculty of Social and Human Sciences- History Institute - University Antioquia; Gloria Naranjo, Msc. Forester; Uriel Cardenas, Geol., ISA S.A. E.S.P.; Karina Salgado, Historian, *Memories of three Niñas Events*.

10:20 Zhaosu Meng*, University of New South Wales; Brian Lees, University of New South Wales; Garrett Upstill, University of New South Wales; Ben O'Neill, University of New South Wales, *Impacts of El Niño and the Southern Oscillation (ENSO) on rice production in China*.

10:40 Jiue-An J. Yang*, University at Buffalo; Chris S. Renschler, PhD, University at Buffalo; Graham S. Hayes, PhD, University at Buffalo; Martin Minkowski, University at Buffalo, *Responding to and Planning for Extreme Events: Integrating Weather Generator, LiDAR Data, Flood Modeling and GIS*.

11:00 Hal Needham*, Louisiana State University; Barry D Keim, Louisiana State University, *An analysis of historical storm surge activity along the U.S. Gulf Coast*.

11:20 Thomas B Williams*, Western Illinois University, *Flash Flooding in the Texas Panhandle on 12 June 2010*.

2216. Global Ice and Snow - Monitoring and Modeline

Room: 616 - Washington State Convention Center, Level 6 (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Bohumil Svoma, Arizona State University

10:00 Tracy DeLiberty*, University of Delaware, *Building a modeling framework to investigate sea ice volume in the Southern Ocean*.

10:20 Marilyn Raphael*, University of California, *Seasonal influence of atmospheric circulation mechanisms on Antarctic sea ice.*

10:40 Rheannon Brooks*, Water and Climate Impacts Research Center, *Modelling Freshwater Ice Thickness across the Northern Hemisphere*.

11:00 Qinghua YE*, Laboratory of Tibetan Environment Changes and Land Surface Processes, Institute of Tibetan Plateau Research, CAS, Beijing 100085, China; Qiu Fang We, Laboratory of Tibetan Environment Changes and Land Surface Processes, Institute of Tibetan Plateau Research, CAS, Beijing 100085, China; Volker Hochschild, Physische Geographie und GIS, Geographisches Institut, Universitaet Tuebingen, Ruemelinstr. 19-23, 72070 Tuebingen, Germany, *Lake Ice Monitoring at Nam Co on Tibet from 2001 to 2009*.

11:20 Bohumil M Svoma*, Arizona State University, *Assessing Trends in Snow Level Elevation over the Western United States*.

2217. Military Geography 2: Drugs and conflict (Sponsored by Military Geography Specialty Group)

Room: 617 - Washington State Convention Center, Level 6 (Paper Session)

ORGANIZER(S): Allison Brown; Wiley C. Thompson, United States Military Academy

CHAIR(S): Allison Brown

10:00 Allison Brown*, University of Massachusetts, Amherst, *Drugs and conflict: Observations on Laos, Thailand, Burma and Afghanistan*.

10:20 Jeff Garmany*, University of Arizona, *Drugs, violence, fear, and death: The necro and narco-geographies of contemporary urban space*.

Introducer: Wiley C. Thompson

2218. Mega-Projects in the Amazon (II): Economics, Society, and the Environment (Sponsored by Cultural and Political Ecology Specialty Group, Latin America Specialty Group, Human Dimensions of Global Change Specialty Group)

Room: 618 - Washington State Convention Center, Level 6 (Panel Session)

ORGANIZER(S): Peter Richards, Michigan State University; Robert Walker, Michigan State University

CHAIR(S): Peter Richards, Michigan State University

Panelists: John O. Browder, Virginia Tech; Cynthia Simmons, Michigan State University; Emilio F. Moran, Indiana University; Robert Walker, Michigan State University; Stephen Perz, University of Florida; Scott Hoefle, Universidade Federal do Rio de Janeiro; Bertha K Becker, Universidade Federal do Rio de Janeiro

2219. (Re)Constructing Climate Change II: Insights from Critical and Feminist Science Studies (Sponsored by Cultural and Political Ecology Specialty Group, Human Dimensions of Global Change Specialty Group, Geographic Perspectives on Women Specialty Group)

Room: 619 - Washington State Convention Center, Level 6 (Paper Session)

ORGANIZER(S): Maureen Biermann, Pennsylvania State University; Andrei Israel, Penn State University

CHAIR(S): Farhana Sultana, Syracuse University

10:00 Lesley M. Head*, University Of Wollongong; Chris Gibson, University of Wollongong, *Becoming differently modern: geographic challenges to a new and different climate politics*.

10:20 Jerome Whittington, PhD*, Dartmouth, *Accounting for Atmosphere: Human Climate Futures*.

10:40 Maureen Biermann, Ph.D. Candidate*, Pennsylvania State University, *Rethinking Resilience: Adapting to Climate Change through a Feminist Epistemological Lens*.

Discussant(s): Joni Seager, Bentley University

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- 2220. James Blaut Memorial Award and Lecture (Sponsored by Socialist and Critical Geography Specialty Group)**
Room: 620 - Washington State Convention Center, Level 6
(Paper Session)
ORGANIZER(S): Jamey Essex, University of Windsor
CHAIR(S): Jamey Essex, University of Windsor
Introducer: Jamey Essex
Discussant(s): Don Mitchell, Syracuse University
- 2221. Biogeography and Paleoenvironmental Change (Sponsored by Paleoenvironmental Change Specialty Group, Biogeography Specialty Group)**
Room: 6ABC - Washington State Convention Center, Level 6
(Poster Session)
ORGANIZER(S): Ross Alexander, Indiana State University; Dorothy Rosene
CHAIR(S): Robin L. Van De Veer, Indiana State University
M. Ross Alexander*, Indiana State University; James H. Speer, Indiana State University; Darrin L. Rubino, Hanover College, *Analysis of elemental concentrations within coarse woody debris in relation to residence time on the forest floor in Indiana forests.*
Sara A Allen*, UW-Platteville; Colleen Smith, UW-Platteville; Tom Wilding, UW-Platteville; Evan Larson, Ph.D., UW-Platteville, *On the Trail of Ancient Trees: Dendrochronology in the Maine North Woods.*
Arvind Aniel Rombawa Bhuta*, Department of Geography, Virginia Tech; Lisa M. Kennedy, Ph.D., Department of Geography, Virginia Tech, *Climate-radial growth relationships for a second-growth pine forest in the Alabama Fall Line Hills.*
Mathew S. Boehm*, Department of Geography, University of Tennessee; Sally P. Horn, Department of Geography, University of Tennessee; David S. Leigh, University of Georgia, *A Holocene Record of Vegetation and Fire from a "Southern Appalachian Bog:" Whiteoak Bottoms, North Carolina, USA.*
Megan Buchanan*, University of Alabama; Justin Hart, University of Alabama, *A dendroecological analysis of the range-wide disturbance history for Quercus alba in the eastern United States.*
David R. Butler, Ph.D.*, Texas State University - San Marcos; Markus Stoffel, Ph.D., Laboratory of Dendrogeomorphology, Institute of Geological Sciences, University of Berne, Berne, Switzerland, *Assessing the Utility of Traumatic Resin Ducts for Dating and Analysis of Geomorphic Processes in the Rocky Mountains.*
Kristen K de Graauw, B.A.*, Indiana State University; James H Speer, PhD, Indiana State University; Dorothy J Rosene, Indiana State University, *Using Dendrochronology to Reconstruct Insect Outbreaks, Climate, and Fire throughout California.*
Kristine L DeLong, Dr.*, Department of Geography and Anthropology, Louisiana State University; Jennifer A Flannery, U.S. Geological Survey; Christopher R Maupin, Institute for Geophysics, Jackson School of Geosciences, University of Texas at Austin; Richard Z Poore, Dr., U.S. Geological Survey; Terrence M Quinn, Institute for Geophysics, Jackson School of Geosciences, University of Texas at Austin, *A coral Sr/Ca calibration and replication study of two massive corals from the Gulf of Mexico.*
James Doerner*, University of Northern Colorado; Marilyn A Martorano, RMC Consultants, Inc., *A Dendrochronological Analysis of Culturally Modified Trees from the Great Sand Dunes National Park and Preserve, U.S.A.*
Nicholas Flinner*, UW-Platteville; Evan R. Larson, PhD., UW-Platteville; Kurt F. Kipfmuller, PhD., University of Minnesota, *Climate and pest influences on the growth of the Larix laricina in the Boundary Waters Canoe Area Wilderness.*
Lauren N Franklin*, Virginia Tech; Lynn M Rslar, PhD, Virginia Tech; James B Campbell, PhD, Virginia Tech, *Landscape pattern and white pine blister rust incidence in whitebark pine at alpine treelines of the Northern Rocky Mountains, USA.*
Brandi Gamelin*, California State University, Los Angeles; Jennifer Becker, California Polytechnic State University, Pomona, *Modeling Snowpack Elevation Changes Based on Projected Climate Change in The Sierra Nevada Mountains.*
Christopher M. Gentry, PhD*, Austin Peay State University; Peter M. Brown, PhD, Rocky Mountain Tree-Ring Research, *Quantifying the growth response of Pinus ponderosa in treated and untreated stands, Mount Rushmore National Monument, South Dakota, USA.*
Eric Garton*; Michaela Buenemann, NMSU; John Rogan, Clark Graduate School of Geography, *Applying Ecological Niche Theory to Model the Spread of the Invasive Hemlock Woolly Adelgid in Massachusetts using Weights of Evidence.*
Kathryn Hrinkevich*, University of Northern British Columbia, *Climate and mountain pine beetle outbreak dynamics at the northern range limit in British Columbia.*
Lisa M. Kennedy*, Virginia Tech, Blacksburg, USA; Michael Burn, University of the West Indies, Kingston, Jamaica; Allison Bain, Université Laval, Québec, Canada; Allison LeBlanc, Virginia Tech, Blacksburg, USA; Anne-Marie Faucher, Université Laval, Québec, Canada; Sophia Perdikaris, Brooklyn College, New York, United States, *Long-term Human Ecodynamics of Barbuda/Antigua from Sedimentary and Archaeological Records.*
Jason Ortegren*, University of West Florida; William P. Tyminski, University of North Carolina at Greensboro, *Dendrochronological Analysis of Potential CO2-induced Relative Growth Enhancement in Forest Tree Species in the Southeastern U.S.A..*
Wyatt Oswald*, Emerson College; David Foster, Harvard Forest; Matts Lindbladh, Swedish University of Agriculture Sciences, *Sensitivity of the New England tension zone to past environmental change.*
Christopher S Robertson, M.Sc Candidate*, WWU, Huxley Tree Ring Lab, *Exploiting an Underused Paleoclimate Resource: Dendroclimatology of Alaska Yellow Cedar (Xanthocyparis nootkatensis) Along the Mesic Cascade West Slope (WA).*
Chad Ronchetti*, University of Wisconsin - Eau Claire, *Spatial patterns in the natural communities of Chippewa and Flambeau River islands.*
Dorothy Rosene*, Indiana State University; James H Speer, PhD, Indiana State University; Kristen de Graauw, Indiana State University, *Location and Frequency of Pandora Moth Outbreaks on Ponderosa Pine in the Western United States.*
Brent S. Sams*, Virginia Tech; Lisa M. Kennedy, Virginia Tech; Stewart Scales, Virginia Tech; Allison LeBlanc, Virginia Tech; Arvind A.R. Bhuta, Virginia Tech; Lauren Franklin, Virginia Tech; Keri Agriesti, Virginia Tech; David Selnick, Virginia Tech, *Potential for long-term fire history from charcoal preserved in small wetlands on Warm Springs Mountain, Virginia.*

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- Carol F. Sawyer*, University of South Alabama; Donald C. Brinkman, University of South Alabama; Tyler D. Covington, University of South Alabama; Vincent D. Walker, University of South Alabama; Elizabeth A. Stienstraw, University of South Alabama, *The Characteristics, Spatial Distribution, and Zoogeomorphic Effects of Gopher Tortoise and Armadillo Burrows in Southern Alabama.*
- Alice R Schoen*, University of Tennessee, Knoxville; Sally P Horn, University of Tennessee, Knoxville; Chad S Lane, University of North Carolina-Wilmington; Jeffrey J Clark, Lawrence University, *A 7600 cal yr paleoenvironmental record from Laguna Tortuguero, Puerto Rico.*
- Mark D. Spond*, University of Tennessee; Saskia L. van de Gevel, Ph.D., Appalachian State University; Henri D. Grissino-Mayer, Ph.D., University of Tennessee, *Relationships Between Rocky Mountain Juniper Growth and Climate at El Malpais National Monument and the Zuni Mountains, New Mexico, U.S.A..*
- Robin L. Van De Veer*, Indiana State University; James H. Speer, Indiana State University, *Dendroclimatic Reconstruction From Bald Cypress in Southwestern Indiana.*
- John D. Waldron, PhD*, University of West Florida; Weimin Xi, University of Wisconsin; Maria Tchakerian, Texas A&M University; Andrew Birt, Texas A&M University; Yu Zeng, Texas A&M University; David Cairns, Texas A&M University; Charles Lafon, Texas A&M University; Robert Coulson, Texas A&M University; Douglas Street, USDA Forest Service, *Modeling Hemlock Woolly Adelgid Impacts in the Southern Appalachian Mountains.*
- Katherine S Willis*, UCLA, *The application of testate amoebae analysis and ground penetrating radar to northern peatlands.*
- Anna Leech*, University of South Florida; Philip van Beynen, Ph.D., University of South Florida, *Mid Holocene Climate Record from a Belize Speleothem.*
- Mike Benedetti*, University Of North Carolina Wilmington; Jessica S. Patrick, University of North Carolina Wilmington; Jonathan A. Haws, University of Louisville; Patrick A. Hesp, Louisiana State University; Brooks B. Ellwood, Louisiana State University; J. Michael Daniels, University of Denver; Nuno F. Bicho, Universidade do Algarve; Thomas A. Minckley, University of Wyoming; Steven A. Forman, University of Illinois Chicago, *Coastal Sediments of Central Portugal: Geomorphic Response to Late Quaternary Neotectonics, Sea Level, and Climate Change.*
- Elyse Zavar*, Texas State University; Glen M MacDonald, UCLA, *Holocene Vegetation Change in the Western Siberian Lowlands Based Upon Comparison of Fossil and Modern Pollen Assemblages.*
- Grant P Elliott*, University of Missouri; Kurt F Kipfmüller, University of Minnesota; C Mark Cowell, University of Missouri, *Compositional change at upper treeline along a latitudinal gradient in the Rocky Mountains, USA..*
- Tricia C Flaherty*, University of Wisconsin La Crosse; Ryan L Perroy, PhD, University of Wisconsin La Crosse, *Mapping the Spread of Fennel on Santa Cruz Island.*
- Nancy Parker*, University of Wisconsin-Madison; John W Williams, University of Wisconsin-Madison, *The Influence of Aridity on the Production, Dispersal, and Preservation of the Megafaunal Proxy Sporormiella in Modern Lake Sediments.*
- Lisa M. Butler Harrington*, Kansas State University, *Mount St. Helens: Thirty Years of Change.*
- Chaina Bapikée*, University of Minnesota, Department of Forest Resources; Lee Frelich, University of Minnesota, Department of Forest Resources, *Climate change and dynamics of northern hardwood forests in the Great Lakes region..*
- Robert Bailey*, US Forest Service, *Ecoregion Redistribution in Response to Climate Change.*
- John M Wamsley*, Texas State University; David R Butler, PhD, Texas State University, *Some Effects of Global Climate Change on Amphibian Populations.*
- Adam Rasmussen*; Trevor Edmonson; Michaela Friedrichova; Lesley Rigg; David Goldblum, *Balsam Fir and White Spruce in the Boreal/Deciduous Ecotone: Photosynthesis characteristics.*
- Lynn M. Resler*, Virginia Tech; Korine Kolivras, Virginia Tech, *Geographic Factors of Disease Emergence and Persistence in Plant and Human Systems.*
- Lisa Davis*, University of Alabama, *Rivers and Carbon Cycling: Investigating the Carbon Storage Potential of In-Channel River Deposits.*
- Erika K. Wise*, University of North Carolina at Chapel Hill, *Event-Based Analysis of Reconstructed Teleconnection Indices.*
- Jessica S. Patrick*, University of North Carolina Wilmington; Michael M. Benedetti, University of North Carolina Wilmington; J. Michael Daniels, University of Denver, *Coastal Sediments of Central Portugal: Sedimentology of the Óbidos Lagoon.*

2224. Life's Work in crisis: social reproduction and the contemporary moment (Session 2) (Sponsored by Cultural and Political Ecology Specialty Group, Geographic Perspectives on Women Specialty Group)

Room: 301 - Washington State Convention Center, Level 3 (Paper Session)

ORGANIZER(S): Kendra Strauss, University of Glasgow; Katharine Meehan, University of Oregon

CHAIR(S): Kendra Strauss, University of Glasgow

10:00 David Spataro*, City University of New York; Christian Anderson*, The City University of New York - Graduate Center, *The Labor of the Social: Perspectives from New York City.*

10:15 Shiloh R. Krupar*, Georgetown University, *Hole in the Head Gang: EEOICPA Compensation and the Argumentum ad ignorantiam of Dose Reconstruction.*

10:30 Sapana Doshi*, UC Berkeley, *Domesticated Dispossession: The Politics of Social Reproduction and Feminized Land Struggles in Mumbai, India.*

10:45 Rosalind Fredericks*, New York University, *Participatory trash management and the reconfiguration of social reproductive geographies in Dakar, Senegal.*

Discussant(s): Kendra Strauss, University of Glasgow

2225. Political Climates II: New Explorations of Science, Policy, and Climate Change (Sponsored by Cultural and Political Ecology Specialty Group, Human Dimensions of Global Change Specialty Group)

Room: 302 - Washington State Convention Center, Level 3 (Paper Session)

ORGANIZER(S): Jennifer L. Rice, The Ohio State University; Connie Woodhouse, University of Arizona

CHAIR(S): Daniel Ferguson

10:00 Christine J. Kirchhoff, Ph.D.*, University of Colorado, Boulder, *Bounding co-production: Understanding the efficacy of boundary organizations and the limits of co-production.*

10:20 Jennifer L. Rice*, The Ohio State University, *Political Waters: Climate, Science, and Water Management in the Western United States.*

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- 10:40** Kevin C. Hillmer-Pegram*, Penn State Department of Geography; Brent Yarnal, PhD., Penn State Department of Geography; Howard Greenberg, Penn State Earth and Environmental Systems Institute; Peter Howe, Penn State Department of Geography, *Connecting Climate Science and Climate Policy via Community Participation: The Centre Region Greenhouse Gas Pilot Project.*
- 11:00** Seth Baum*, Pennsylvania State University, *Democracy, Technocracy And Climate Change Mitigation Policy.*
Discussant(s): Connie Woodhouse, University of Arizona
- 2226. Dendrochronology V: Stable Isotopes (Sponsored by Paleoenvironmental Change Specialty Group, Biogeography Specialty Group)**
Room: 303 - Washington State Convention Center, Level 3 (Paper Session)
ORGANIZER(S): Trevor Porter, Carleton University; Shelly A. Rayback, University of Vermont
CHAIR(S): Shelly A. Rayback, University of Vermont
- 10:00** James A. Johnstone, Ph.D.*, JISAO - University of Washington; John S. Roden, Ph.D., Dept. of Biology, Southern Oregon University; Todd E. Dawson, Ph.D., Dept. of Integrative Biology, University of California, Berkeley, *Correlations of carbon and oxygen stable isotope composition in redwood tree-rings with western U.S. climate variation.*
- 10:20** Shelly A. Rayback, Ph.D.*, University of Vermont; Charles V. Cogbill, Ph.D.; Mary H. Gagen, Ph.D., Swansea University; Rachel F. Gregory, Cardiff University; Andrea Lini, Ph.D., University of Vermont, *Preliminary stable isotope investigations of Picea rubens and Tsuga canadensis from sites in New England, USA.*
- 10:40** Trevor Porter*, Carleton University; Michael Pisaric, Carleton University; Steve Kokelj, Indian and Northern Affairs Canada, Water Resources Division; Thomas Edwards, University of Waterloo, *Reconstructing June-July temperatures from $\delta^{13}C$ of white spruce (Picea glauca [Moench] Voss) tree-rings at boreal treeline, Mackenzie Delta, northwestern Canada.*
- 11:00** Mengfan Zhu*, Earth Sciences Department, University of Southern California; Lowell Stott, Earth Sciences Department, University of Southern California; Brendan M. Buckley, Tree Ring Laboratory, Lamont-Doherty Earth Observatory, Columbia University, *Has Southeast Asian hydroclimate changed over the past 140 years? A study from a high-resolution tree ring cellulose $\delta^{18}O$ record.*
Discussant(s): Trevor Porter, Carleton University
- 2227. Mining, Water and Environment in Africa (Sponsored by Africa Specialty Group, Water Resources Specialty Group)**
Room: 304 - Washington State Convention Center, Level 3 (Paper Session)
ORGANIZER(S): Fenda Akiwumi, University of South Florida
CHAIR(S): Fenda Akiwumi, University of South Florida
- 10:00** Fenda Akiwumi, PhD*, University of South Florida, *Mining Policy, Water and Indigenous Sacred Places in Sierra Leone.*
- 10:20** Peter George Chirico*, United States Geological Survey, *Exploring the linkages between mineral resources, geomorphology, remote sensing, and human geography: The case of artisanal and small-scale mining in Africa.*
- 10:40** Sigismond Ayodele Wilson*, Western Michigan University, *Industrial Mining and Community Development in Sierra Leone: The Law, Community Expectations and Reality.*
- 11:00** Natalia Yakovleva*, Cardiff University; Diego Vazquez-Brust, Cardiff University, *Multi-stakeholder governance initiatives: Addressing the challenges of artisanal small-scale mining sector in Ghana.*
Discussant(s): Natalia Yakovleva, Cardiff University
- 2228. Climate Specialty Group Student Paper Competition (Sponsored by Climate Specialty Group)**
Room: 305 - Washington State Convention Center, Level 3 (Paper Session)
ORGANIZER(S): Steven Quiring, Texas A&M University
CHAIR(S): Steven Quiring, Texas A&M University
- 10:00** Li Xu*, George Mason University (COLA), *Snow-Atmosphere Coupling Strength and its Contribution to Climate Predictability.*
- 10:20** Charles Paxton*, Student, *Weather patterns associated with rip current deaths in the contiguous United States coastal ocean areas.*
- 10:40** Margaret Kovach*, University of North Carolina; Charles E Konrad, University of North Carolina; Gretchen Carlson, University of North Carolina, *The Societal and Meteorological Impacts of Inland-Moving Tropical Cyclones Across the Southeastern U.S.*
- 11:00** Tianna A Bogart*, University of Delaware, *Sensitivity of a Global Climate Model to the Urban Environment.*
- 11:20** Anna Trevino*, Louisiana State University; Robert Rohli, Ph.D., Louisiana State University, *The urban influence on precipitation in the southeastern United States.*
- 2229. Creatives After the Crash II (Sponsored by Economic Geography Specialty Group)**
Room: 306 - Washington State Convention Center, Level 3 (Panel Session)
ORGANIZER(S): Betsy Donald, Queen's University; Meric S. Gertler, University of Toronto
CHAIR(S): Betsy Donald, Queen's University
Introducer: Betsy Donald
Panelists: Meric S. Gertler, University of Toronto; Mark Lorenzen, Copenhagen Business School; Tara Vinodrai, University of Waterloo; Patrick Adler, University of Toronto; Peter V. Hall, Simon Fraser University
- 2230. Urban Forests: patterns and drivers (Sponsored by Cultural and Political Ecology Specialty Group, Human Dimensions of Global Change Specialty Group, Biogeography Specialty Group)**
Room: 307 - Washington State Convention Center, Level 3 (Paper Session)
ORGANIZER(S): Adam Berland, University of Minnesota; Tenley Conway, University of Toronto
CHAIR(S): Andrew Millward, Ryerson University
- 10:00** Kirstin S Bourne, B.Sc.*, University of Toronto, Mississauga; Tenley Conway, Ph.D, University of Toronto, Mississauga, *Species Diversity in an Urban Forest: Patterns and Correlates.*
- 10:20** Andrew A Millward, Ph.D.*, Ryerson University; Adriano Nicolucci, Ryerson University; Alison Jackson, Ryerson University, *An Unwelcome Neighbour: The Shady Side of Acer Platanoides.*
- 10:40** Adam Berland*, University of Minnesota, *Urban forest changes associated with urbanization in the Twin Cities, MN.*
- 11:00** Shawn Landry*, University of South Florida; Jayajit Chakraborty, PhD, University of South Florida, *Connecting Pixels to People: Socio-demographic Predictors of Recent Changes to Street Tree Distributions.*

WEDNESDAY, APRIL 13 • 10:00 AM - 11:40 AM • 2200

11:20 Scott Hetrick*, ACT; Rinku Roy Chowdhury, Department of Geography - Indiana University; Eduardo Brondizio, Department of Anthropology - Indiana University; Emilio Moran, Department of Anthropology - Indiana University, *Spatial patterns, temporal trends and socioeconomic determinants of vegetative cover in Altamira, Brazil.*

2231. Geographies of Health Care Services (Sponsored by Health and Medical Geography Specialty Group)

Room: 308 - Washington State Convention Center, Level 3
(Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Sarah-Anne Munoz, UHI Millennium Institute Centre for Rural Health

10:00 Adam Parrillo, PhD*, University of Wisconsin - Green Bay; Mark de Socio, PhD, Salisbury University, *Rise of the University and Hospital as Agents of Regional Economic Development: A Comparative Analysis.*

10:20 Marco Garrido-Cumbrera, PhD*, University of Sevilla; Enrique López-Lara, PhD, University of Sevilla; Pilar Diaz-Cuevas, MS, University of Seville, *Spatial Accessibility on Mental Health Care in Andalucía, Spain.*

10:40 Chanda Turner*, Penn State University, *Legal Framework for a Telemedicine Venture in Kenya.*

11:00 Sarah-Anne Munoz, Dr.*, UHI Millennium Institute Centre for Rural Health; Margaret Currie, Dr., UHI Millennium Institute Centre for Rural Health; Jane Farmer, Prof., La Trobe University, Rural Health School, *Placing the Geography in Rural Health Services Research.*

2233. Geographies of Media V: Bodies -- representations and immanence (Sponsored by Political Geography Specialty Group, Cultural Geography Specialty Group, Communication Geography Specialty Group)

Room: 310 - Washington State Convention Center, Level 3
(Paper Session)

ORGANIZER(S): Jason Dittmer, University College London; James Craine, California State University Northridge

CHAIR(S): Christina E. Dando, University of Nebraska-Omaha

10:00 Marcia R. England*, Miami University; Brent Eysenbach, Miami University, *"Get the scum out of the park!" An examination of local media discourses surrounding Cincinnati's Washington Park.*

10:20 Andrew Barnfield*, University College London, *The unfolding geographies of liveness: An investigation of a live television broadcast.*

10:40 David J. Nemeth*, University of Toledo, *"Into the Black": Extreme Geography + Aether = a CFP.*

2234. LiDAR Applications for Aquatic Ecosystems (Sponsored by Remote Sensing Specialty Group)

Room: 3A - Washington State Convention Center, Level 3
(Paper Session)

ORGANIZER(S): L. Monika Moskal, University of Washington

CHAIR(S): Michael Hannam, University of Washington

10:00 Michael Hannam*, University of Washington; L. Monika Moskal, University of Washington, *Shoreline Elevation Monitoring by Terrestrial Laser Scanning.*

10:20 Sally L. Hawkins*, Everett Community College, *Methodology for Quantifying Riparian Vegetation for San Juan County, Washington.*

10:40 Qiusheng Wu*, University of Cincinnati, *A Scale-space Approach to Beach Profile Feature Extraction and Change Analysis.*

11:00 Chang Yi*, University of South Carolina; John R. Jensen, University of South Carolina; Michael E. Hodgson,

University of South Carolina; Daniel R. Morgan, GIS Division of Beaufort County, South Carolina, *Integrating color-infrared aerial photography and LIDAR data for object-based tidal marsh vegetation classification.*

11:20 Zhenghong Tang*, University of Nebraska - Lincoln; Xu Li, University of Nebraska-Lincoln; Ruopu Li, University of Nebraska-Lincoln, *Use of LiDAR-Derived Map in Wetland Conservation.*

2235. Climate Change and Adaptation

Room: 3B - Washington State Convention Center, Level 3
(Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): James Norwine, Texas A&M - Kingsville

10:00 Mary Blair, Center for Biodiversity and Conservation, American Museum of Natural History and Columbia University; Robert Andrew Rose, Ph.D.*, Wildlife Conservation Society; Peter Ersts, Center for Biodiversity and Conservation, American Museum of Natural History; Kent Redford, Ph.D., Wildlife Conservation Society; Eric Sanderson, Ph.D., Wildlife Conservation Society; Richard Pearson, Ph.D., Center for Biodiversity and Conservation, and Department of Herpetology, American Museum of Natural History, *Incorporating climate change into conservation planning: a case study of species' Range Wide Priority Setting.*

10:20 Julio C Postigo*, University of Texas at Austin, *Socio-ecological pastoralist system's responses to climate change in the high Andes of Peru.*

10:40 Netra Chhetri*, Arizona State University; Pashupati Chaudhary, Boston University; Puspa Tiwari, Local Initiatives for Biodiversity, Research and Development, Nepal; Ram B Yadaw, Nepal Agricultural Research Council, *Climate-induced innovation in agriculture: An emerging human-environment relationship in the context of climate change and adaptation.*

11:00 Rauno Sairinen*, University of Eastern Finland; Suvi Järvinen; Johanna Kohl, *Social impacts of climate change in Finnish rural areas.*

11:20 James (Jim) Norwine*, Texas A&M - Kingsville, *After Climate Change and Culture-Shift: Imagining a World.*

2236. Authors-Meet-Critics : Critical Development Studies (Sponsored by Political Geography Specialty Group, Development Geographies Specialty Group, Economic Geography Specialty Group)

Room: 201 - Washington State Convention Center, Level 2
(Panel Session)

ORGANIZER(S): Rachel Silvey, U. of Toronto

CHAIR(S): Rachel Silvey, U. of Toronto

Discussant(s): Matthew Sparke, University Of Washington; Nina Laurie, Newcastle University UK

Panelists: Mark Hunter, University of Toronto; Craig Jeffrey, Oxford University; Katharine Rankin, University of Toronto

WEDNESDAY, APRIL 13 • 10:00 AM - 11:40 AM • 2200**2238. Polar Geography 2: Arctic Environment (Sponsored by Russian, Central Eurasian, and East European Specialty Group, Cryosphere Specialty Group)**

Room: 203 - Washington State Convention Center, Level 2
(Paper Session)

ORGANIZER(S): Timothy Edmund Heleniak, University of Maryland; Andrey N. Petrov, University of Northern Iowa

CHAIR(S): Andrey N. Petrov, University of Northern Iowa

10:00 Anna Pestereva*, University of Northern Iowa; Vladimir V Mikhailov, PhD, Saint Petersburg Institute for Informatics and Automation Russian Academy of Sciences; Leonid A Kolpashchikov, PhD, Extreme North Agricultural Research Institute; Andrey Petrov, PhD, University of Northern Iowa, *GIS Analysis of Spatiotemporal Dynamics of Taimyr Wild Reindeer Population*.

10:20 Brendan Griebel*, University of Toronto, *A Sign of the Times: Reading History and Change through Urban Toponymy in Cambridge Bay, Nunavut*.

10:40 Jonathon Launsbach*, University of Northern Iowa, Geography; Andrey N Petrov, University of Northern Iowa, *Wildfires and Climate Dynamics in the Arctic: A Spatiotemporal Analysis Using MODIS Data*.

11:00 Oliver W. Frauenfeld*, Texas A&M University; Tingjun Zhang, CIRES National Snow and Ice Data Center, University of Colorado; Vyacheslav Razuvaev, World Data Center, All-Russian Research Institute of Hydrometeorological Information; Artem Sherstyukov, World Data Center, All-Russian Research Institute of Hydrometeorological Information; Kevin Schaefer, CIRES National Snow and Ice Data Center, University of Colorado; Mark C. Serreze, CIRES National Snow and Ice Data Center, University of Colorado, *Permafrost Degradation and Its Environmental Impacts in Siberia*.

Discussant(s): Andrey N. Petrov, University of Northern Iowa

2239. Climate change and security II: Governing (dis)order

Room: 204 - Washington State Convention Center, Level 2
(Paper Session)

ORGANIZER(S): Andrew Baldwin, Durham University; Emily Gilbert, University of Toronto

CHAIR(S): Andrew Baldwin, Durham University

10:00 Simon Dalby*, Carleton University, *Welcome to the Anthropocene! Biopolitics, Climate Change and the End of the World as we Know It*".

10:15 Kevin Grove*, Ohio State University, *Pre-empting adaptation: The Caribbean Catastrophic Risk Insurance Facility and the financialization of disaster management*.

10:30 Emilie Cameron*, University of British Columbia, *Securing Indigenous politics: on the "human" dimensions of climate change in the Canadian Arctic*.

10:45 Julian DM Reid, Professor*, University of Lapland, *The Vulnerable and Politically Debased Subject of Resilience*.

Discussant(s): Erik Swyngedouw, University of Manchester

2240. New Immigrant Destinations in the U.S. II: Rural, Suburban, Urban, and National Imaginaries (Sponsored by Political Geography Specialty Group, Urban Geography Specialty Group, Cultural Geography Specialty Group)

Room: 205 - Washington State Convention Center, Level 2
(Paper Session)

ORGANIZER(S): Monica Varsanyi, City University of New York; Jill Lindsey Harrison, University of Wisconsin-Madison

CHAIR(S): Lauren Martin, University of Kentucky

10:00 Sean M. Crotty*, San Diego State University/University of California at Santa Barbara, *The Social Geography of Day Labor: Informal Responses to the Economic Downturn, 2006-2010*.

10:20 Kyle Walker*, University of Minnesota, *Immigration, local policy, and the "suburban dream": evidence from three US metropolitan areas*.

10:40 Jeffrey Widener*, University of Central Oklahoma, *Tulsa, Oklahoma's New Urban Landscape: The Latinization of America's Most Beautiful City*.

11:00 Lise Nelson*, University of Oregon, *Latino immigrants and rural gentrification: Integration, exclusion, and contested re-imaginings of rurality in the U.S.*

Discussant(s): Jamie Winders, Syracuse University

2241. Developing an Ecosocialist Politics of Technology II: Building an Ecosocialist Politics of Technology (Sponsored by Socialist and Critical Geography Specialty Group)

Room: 206 - Washington State Convention Center, Level 2
(Paper Session)

ORGANIZER(S): Salvatore Engel-DiMauro, SUNY New Paltz; David Correia, University Of New Mexico

CHAIR(S): Salvatore Engel-DiMauro, SUNY New Paltz

10:00 Matthew Huber*, Syracuse University, *Ecosocialism, the Productive Forces, and "the Realm of Freedom"*.

10:15 Dylan Smith, BA*, *The Implications of Autonomous Technology: Capital, the Megamachine, and the Ongoing Ecological Crisis*.

10:30 John G. Hintz*, Bloomsburg University of Pennsylvania, *The Forest and the Fracker: Searching for Politics against Stealth Technics*.

10:45 David Correia*, University Of New Mexico, *From Bourgeois Primitivism to Ecosocialism: NoImpactMan and Technopolitics*.

2242. Wetlands and Aquatic Habitats

Room: 211 - Washington State Convention Center, Level 2
(Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Dana Brooke Todd, ORISE and University of Cincinnati

10:00 Raymond Cabrera*, University of Waterloo; Linda Mortsch, Environment Canada; Peter Deadman, University of Waterloo, *Modeling Wetland Vegetation Response to Water Levels at Long Point, Lake Erie, Ontario*.

10:20 Kimberly M. Meitzen*, University of South Carolina-Columbia, *Hydrogeomorphology and Vegetation Ecology of Abandoned Meander Wetlands in a Large Floodplain, South Carolina*.

10:40 Ann M Foster*, United States Geological Survey; Ursula A Garfield, United States Geological Survey; Stephania K Bolden, NOAA Fisheries, Office of Protected Resources, *The Influence of Land Cover Change Adjoining the St. Mary's River, Florida/Georgia, on Sturgeon Habitat Restoration Efforts*.

11:00 Joy J. Wolf, PhD*, University of Wisconsin-Parkside; Justin Chappelle, Graduate Student, Northeastern Illinois University, *Do Fine Scale Basin Attributes and Land Ownership Predict Species Diversity in Ephemeral Ponds?*

11:20 Dana Brooke Todd*, Oak Ridge Institute of Science and Education; University of Cincinnati, *The Effect of Spatial Delineation of Sample Sites on Stressor-Response Relationships of Benthic Macroinvertebrates Based On Field Data*.

WEDNESDAY, APRIL 13 • 10:00 AM - 11:40 AM • 2200

- 2243. Stand-Alone Geographers in the North American Academy: A Survey of Perceptions and Concerns (Sponsored by Stand-Alone Geographers Affinity Group, Geography Education Specialty Group, Geography Faculty Development Alliance (GFDA))**
Room: 212 - Washington State Convention Center, Level 2
(Paper Session)
ORGANIZER(S): Eric D. Carter, Grinnell College; Jacqueline A. Housel, Miami University
CHAIR(S): Jacqueline A. Housel, Miami University
10:00 Eric D. Carter*, Grinnell College; Jacqueline A. Housel, Miami University, *Stand-Alone Geographers in the North American Academy: A Survey of Perceptions and Concerns*.
Discussant(s): Leslie Gray, Santa Clara University; James A. Ketchum, Association of American Geographers; David Fyfe; Kerry Lyste, Everett Community College
- 2244. Religion and Transnationalism/Travelling Faith (Sponsored by Geography of Religions and Belief Systems Specialty Group, Ethnic Geography Specialty Group)**
Room: 213 - Washington State Convention Center, Level 2
(Paper Session)
ORGANIZER(S): Elizabeth A. Olson, University of Edinburgh; Claire Dwyer, University College, London
CHAIR(S): Justin Tse, University of British Columbia, Department of Geography
10:00 Claire Dwyer*, University College, London; Justin Tse, University of British Columbia; David Ley, Professor, University of British Columbia, *'Highway to Heaven': the making of a transnational suburban religious landscape*.
10:20 Murat Es*, University of North Carolina, *'Mosques are not only for praying!': 'Europeanization' of Turkish Islam*.
10:40 Abby Day, Dr*, University of Sussex; Ben Rogaly, Dr, University of Sussex, *The role of transnational life geographies in embodied practices of faith and community in England*.
11:00 Sharon Suh*, Seattle University, *"Sacred Seattle...: Mapping Religious Identities in the Pacific Northwest"*.
11:20 Patricia Ehrkamp*, University of Kentucky, *Opening mosques: Islam, transparency, and democracy in German cities*.
- 2245. Topics in Coastal and Marine Geography: Student Paper Merit Competition II (Sponsored by Coastal and Marine Specialty Group)**
Room: 214 - Washington State Convention Center, Level 2
(Paper Session)
ORGANIZER(S): Thomas Richard Allen, East Carolina University
CHAIR(S): Thomas Richard Allen, East Carolina University
10:00 Sherestha Saini*, New Jersey Institute of Technology; Nancy L Jackson, New Jersey Institute of Technology; Karl F Nordstrom, Rutgers University, *Bulkhead configurations and Horseshoe crab spawning on sandy shorelines in Delaware Bay, NJ*.
10:20 Michele M Tobias*, University of California, Davis, *Long Walks on the Beach: Impact of Foot-Traffic Concentration on California's Beaches*.
10:40 Gemma Barrett*, Texas A&M University, *Alongshore variation in nearshore bar morphology at decadal time scales using wavelet analysis*.
11:00 Billy U Hales*, TAMU Geography, *Pattern analysis of the impact of Hurricanes Ike, Rita, and Tropical Storm Fay on Bolivar Peninsula, TX*.
11:20 Richard Curran*, East Carolina University, *Using Remote Sensing to Map North Carolina Seagrass*.
- 2246. Perspectives on Urban Sprawl/New Urbanism, Sub-urban/ Inner City Developments: Issues, Analysis and Critiques (Sponsored by Regional Development and Planning Specialty Group, Urban Geography Specialty Group, Energy and Environment Specialty Group)**
Room: 2A - Washington State Convention Center, Level 2
(Paper Session)
ORGANIZER(S): Sun Hui Sim, University of North Alabama; Francis Koti, University of North Alabama
CHAIR(S): Sun Hui Sim, University of North Alabama
10:00 Enru Wang*, University of North Dakota, *Administrative Restructuring and Urban Sprawl of Chinese Metropolis*.
10:20 Dennis James*, University of Nebraska Lincoln, *New Urbanism in Downtown Redevelopment: A Case Study of Albuquerque, New Mexico*.
10:40 Seth Thompson*, Sunhui Sim, University of North Alabama; Kathryn Ziewitz, University of Florida, *Spatial characteristics of new urbanism communities in Alabama: critics, measurement and implications*.
11:00 Francis Koti*, University of North Alabama, *Mitigating Urban Sprawl in Small Towns: The Case of Florence, AL*.
11:20 Sun Hui Sim*, University of North Alabama, *Urban Sprawl and Land Use Regulation in the U.S.*.
- 2247. 2011 Student Illustrated Paper Competition Sponsored by the Remote Sensing/GIS/Cartography Specialty Groups (Sponsored by Geographic Information Science and Systems Specialty Group, Remote Sensing Specialty Group, Cartography Specialty Group)**
Room: 2B - Washington State Convention Center, Level 2
(Illustrated Paper Session)
ORGANIZER(S): Lindsay Deel, West Virginia University
CHAIR(S): Lindsay Deel, West Virginia University
10:00 Olivia Tempest*, Wesleyan University, Department of Earth and Environmental Science, Middletown CT 06459; John Rogan, PhD, Clark Graduate School of Geography, Worcester MA 01610, *Designing a land-change monitoring program in Massachusetts, USA using Landsat imagery*.
10:05 Harini Sridharan*, University of Texas at Dallas, *Expectation-Maximization Based Dasyetric Mapping of Population at Building-level using LIDAR Derived Volume*.
10:10 Travis R Cowles*, West Virginia University, *Effects of Forest Disturbance and Species Composition on Nitrogen Export to the Chesapeake Bay*.
10:15 Katherine Williams*, University of Denver, *A Geostatistical Approach to Topographical Controls on Soil Moisture Distribution Combining Field Data, Lidar, and High-Resolution Aerial Photography*.
10:20 Alma D Pacheco*, New Mexico State University; Michaela Buenemann, PhD, New Mexico State University; Anna Klimaszewski-Patterson, New Mexico State University; John Rogan, PhD, Clark Graduate School of Geography; Timothy Wright, Clark Graduate School of Geography, *Analyzing Forest Fragmentation in Private and Public Forestland in Massachusetts between 1990 and 2009*.
10:25 Evan Markham*, University of Vermont Department of Geography; John Rogan, Clark Graduate School of Geography, *Mapping Forest Canopy Response to Ice Storm Disturbance in Central and Western Massachusetts Using Landsat Thematic Mapper and Environmental Data*.
10:30 Brenna Schwert*, Clark University; John Rogan, PhD, Clark University, *A new method for image updating using Kauth-Thomas change indices and cross-correlation analysis*.

WEDNESDAY, APRIL 13 • 10:00 AM - 11:40 AM • 2200

- 10:35** Jitka Vinduskova*, Clark University, *TheCube: Assessing Transition Estimates Accounting for Map Error.*
- 10:40** Candice Luebbing*, Virginia Tech, *Visualizing linguistic diversity through cartography.*
- 10:45** Zhenqi Lu, M.A.*, *Is past land change associated with future land change?.*
- 10:50** Rana N Al-Jawameh*, University of Oklahoma; Jason P Julian, University of Oklahoma, *Environmental Influences on Past and Future Urban Development around Little Rock, Arkansas (USA) 1822-2100.*
- 10:55** Ryan Norton*, Robert Gilmore Pontius, Faculty Advisor, *Assessing the Influence of Ambiguity for a Point-Based Accuracy Assessment Method for a 45-centimeter Object Oriented Classification.*
- 11:00** Andrew Shatz*, Clark Graduate School of Geography; John Rogan, Clark Graduate School of Geography; Brenna Schwert, Clark Graduate School of Geography, *Mapping the Potential Distribution of the Asian Longhorned Beetle (*A. glabripennis*) in Eastern Massachusetts using Mahalanobis Typicality.*
- 11:05** Sarah Geise*, Carthage College and HERO Program at Clark University; Colin Polsky, PhD, Clark University, *Measuring Suburban Sprawl and Land Cover in Boston's Northern Suburbs.*
- 2248. Chairs' Symposium: Making the Case for Geography II (Sponsored by Enhancing Departments and Graduate Education project (EDGE))**
- Room:* Cirrus Ballroom - Sheraton Hotel, Pike Tower, Thirty Fifth Floor (Panel Session)
- ORGANIZER(S): Kenneth E. Foote, University of Colorado
CHAIR(S): Kenneth E. Foote, University of Colorado
Introducer: Kenneth E. Foote
Panelists: David Lanegran, Macalester College; Nancy L. Wilkinson, San Francisco State University; Audrey L. Kobayashi, Queen's University
- 2250. Urban spaces of the Global South: Moving past the developmentalist framework. A focus on the cities of India (Sponsored by Qualitative Research Specialty Group, Urban Geography Specialty Group)**
- Room:* Boren - Sheraton Hotel, Union Tower, Fourth Floor (Paper Session)
- ORGANIZER(S): Leslie McLees, University of Oregon
CHAIR(S): Leslie McLees, University of Oregon
- 10:00** Sayoni Bose*, Ohio State University; Sayoni Bose, The Ohio State University, *Kolkata? A Revanchist City?.*
- 10:20** Shireen Hyrapiet*, Oklahoma State University, *Ghosts of the Past or Relics of the Future: A Geographical Analysis of the Hand-Pulled Rickshaws of Kolkata.*
- 10:40** Rajyashree Narayanareddy*, University of Toronto, *Pirate Modernity of Bangalore's Electronic Waste Entrepreneurs.*
- 11:00** Ipsita Chatterjee*, Geography and the Environment, University of Texas at Austin, *Science, religion, and the ideology of urban governance: Perspectives from Ahmedabad city, India.*
- 2251. Challenges in Regional Development and Planning (Sponsored by Regional Development and Planning Specialty Group)**
- Room:* Columbia - Sheraton Hotel, Union Tower, Fourth Floor (Panel Session)
- ORGANIZER(S): George M. Pomeroy, Shippensburg University; Sudhir K. Thakur, California State University Sacramento
CHAIR(S): George M. Pomeroy, Shippensburg University
Discussant(s): George M. Pomeroy, Shippensburg University
- Panelists: George M. Pomeroy, Shippensburg University; Xinyue Ye, Bowling Green State University; Sandy Dall'erba, University of Arizona; Ashok K. Dutt, University Of Akron; John E. Benhart, Shippensburg University; Debnath Mookherjee, Western Washington University
- 2252. Critical Perspectives on Performativity: 5. Panel Discussion - Performativity in Economic and Political Geography (Sponsored by Political Geography Specialty Group, Economic Geography Specialty Group)**
- Room:* Jefferson - Sheraton Hotel, Union Tower, Fourth Floor (Panel Session)
- ORGANIZER(S): Michael R. Glass, University of Pittsburgh; David Lansing, University of Maryland Baltimore County Geography and Environmental Systems
CHAIR(S): Michael R. Glass, University of Pittsburgh
Panelists: Kevin Gould, Concordia University; Phillip Gordon Mackintosh, Brock University; David Lansing, University of Maryland Baltimore County Geography and Environmental Systems; Robert Kaiser, University of Wisconsin - Madison; Melanie Feakins; Michael R. Glass, University of Pittsburgh
- 2254. Mediated Anxiety**
- Room:* Pike - Sheraton Hotel, Union Tower, Fourth Floor (Paper Session)
- ORGANIZER(S): Qian Gong, University of Sheffield
CHAIR(S): Peter A. Jackson, University of Sheffield
Introducer: Meredith Raimondo
- 10:20** Jonathan Everts*, University of Bayreuth, *Materials of Anxiety: Announcing Swine Flu.*
- 10:40** Qian Gong*, University of Sheffield, *The Anxiety that Never Was? the Roles of the Newswires in Constructing Food Crises.*
- 11:00** Nick Piper*, University of Sheffield, *Engaging with Jamie Oliver in Rotherham and Tunbridge Wells.*
- Discussant(s): Jason Dittmer, University College London
- 2258. Emerging Scholars in Hazards Research: Winners of the Jeanne X. Kaspersen Student Paper Award (Sponsored by Hazards Specialty Group)**
- Room:* University - Sheraton Hotel, Union Tower, Fourth Floor (Paper Session)
- ORGANIZER(S): Deborah Thomas, University of Colorado Denver
CHAIR(S): Deborah Thomas, University of Colorado Denver
- 10:00** Mitchel Stimers*, Kansas State University, *A Categorization Scheme for Understanding Tornado Events from the Human Perspective.*
- 10:20** Ahmad Saleh Safi, Ph.D.*, UNLV, Environmental Studies; William James Smith, Ph.D., UNLV, School of Environmental and Public Affairs, *Rural Nevada: Vulnerability, Environmental Behavior and Risk Perception.*
- 10:40** Nicole E. Simons*, San Diego State University and University of California, Santa Barbara, *Determining Expected Building Losses from Earthquakes in Oxnard, CA: An Application Using HAZUS-MH MR4.*
- 11:00** Joshua Krumski*, Nick J. Rahall, II Appalachian Transportation Institute at Marshall University, *GIS Usage for Emergency Preparedness for the Release of Hazardous Materials in Cabell and Wayne Counties, West Virginia..*

WEDNESDAY, APRIL 13 • 10:00 AM - 11:40 AM • 2200**2259. Vizualization of Population (Sponsored by Population Specialty Group)**

Room: *Virginia - Sheraton Hotel, Union Tower, Fourth Floor*
(Paper Session)

ORGANIZER(S): Rachel S. Franklin, Brown University

CHAIR(S): Joshua Comenetz, U.S. Census Bureau

10:00 John Thomas Fitzwater*, U.S. Census Bureau,
Development of a Global Population Spatial Database and the Potential for Web Dissemination.

10:20 Kamyong Kim*, Kyungpook National University,
Geographic Visualization of Population Migration data based on WebGIS.

10:40 Matthew Whitehead*, Oak Ridge National Laboratory,
Dynamic population mapping using smart buildings.

11:00 Derek Azar*, U.S. Census Bureau; Ryan Engstrom, The George Washington University; Jordan Graesser, U.S. Census Bureau, *Usage of Geospatial Data in a Gridded Population Distribution for Pakistan.*

11:20 Joshua Comenetz, Ph.D.*, U.S. Census Bureau, *Gridded population maps for disaster relief in Haiti and Pakistan.*

2261. Spatial Optimization and GIS II (Sponsored by Geographic Information Science and Systems Specialty Group, Population Specialty Group, Spatial Analysis and Modeling Specialty Group)

Room: *Ballard - Sheraton Hotel, Pike Tower, Third Floor*
(Paper Session)

ORGANIZER(S): Daoqin Tong, University of Arizona

CHAIR(S): Sam J. Ratick, Clark University

10:00 Diansheng Guo*, University of South Carolina, *An Efficient and Effective System for Redistricting Optimization.*

10:20 Shaofei Chen*, University of Texas at Dallas; Michael Tiefelsdorf, Ph.D., University of Texas at Dallas, *Optimal Geo-spatial Sampling Designs under Spatial Heterogeneity and Cost Constraints.*

10:40 Hyun Kim*, University of South Florida, *p-Hub Protection Models: Survivable Hub Network Design.*

11:00 Meng Jia*, UNC-Charlotte; Eric Delmelle, UNC-Charlotte; Wenwu Tang, UNC-Charlotte, *Simulating Individual Parking Behavior Using Spatially Aware Intelligent Agents.*

11:20 Daniel Runfola, Clark University; Sam J. Ratick*, Clark University, *Optimizing Sampling for Spatially Predictive Modeling.*

2264. Exploring American Landscapes (Sponsored by Landscape Specialty Group)

Room: *Fremont - Sheraton Hotel, Union Tower, Third Floor*
(Paper Session)

ORGANIZER(S): Ellen Hostetter; Lisa r Brownell, University of Kentucky

CHAIR(S): Ellen Hostetter

10:00 Ellen Hostetter*, Randolph College, *Recreational Vehicle Barns.*

10:20 Lisa r Brownell*, University of Kentucky, *Rail trails, historic preservation, and everyday landscape.*

10:40 Matt McCourt*, University of Maine Farmington; Owen Dwyer*, Indiana University, Indianapolis, *Offerings at the Wall: Memory Between Landscape and Archive.*

11:00 Stephen Hanna*, University of Mary Washington, *Narratives of Slavery and Emancipation in Fredericksburg's Heritage Tourism Landscape.*

11:20 Robert Kuhlken*, Central Washington University, *Landscapes of Recreational Angling: A Cultural Ecology Approach.*

2265. Culture, Nature, and Cities in China's Northwest (Sponsored by China Specialty Group)

Room: *Greenwood - Sheraton Hotel, Union Tower, Third Floor*
(Paper Session)

ORGANIZER(S): You-tien Hsing, University Of California at Berkeley

CHAIR(S): You-tien Hsing, University Of California at Berkeley

Introducer: You-tien Hsing

10:10 Max Woodworth*, UC Berkeley Geography, *The Road to the Future Passes Through the City: Cultures of Urban Development in Datong, Pingyao, and Ordos.*

10:28 Meng-Chi Hsueh*, *Urban Transformation and Historical Preservation: the case of Hancheng, Shaanxi.*

10:46 Jerry Zee*, UC Berkeley, *Building on Sand: The Dangerous Landscape and Ecological Construction in NW China.*

11:04 Xiaohui Lin*, University of California, Berkeley; You-tien Hsing, University Of California at Berkeley, *Revival Trinity of Datong's post-Mao urban development.*

Discussant(s): Alana Boland, University of Toronto

2266. Urbanization, Environmental Change, and Sustainability (II) (Sponsored by China Specialty Group, Remote Sensing Specialty Group, Urban Geography Specialty Group)

Room: *Issaquah A - Sheraton Hotel, Union Tower, Third Floor*
(Paper Session)

ORGANIZER(S): Qihao Weng, Indiana State University

CHAIR(S): Honglin Xiao, Elon University

10:00 Cyril Oluyomi Wilson*, Indiana State University; Qihao Weng, Indiana State University, *Modeling the future impacts of urban land use change on surface water quality within Des Plaines River Watershed, Chicago MSA, Illinois..*

10:20 Ying Tang*, Michigan State University, *Urbanization and Its Carbon Consequence in Yangtze River Delta, Southeast China.*

10:40 Honglin Xiao*, Elon University, *Land Use Land Cover Changes Under a Market Economy.*

11:00 Shuang Sophia Chen*, Nanjing Institute of Geography and Limnology, CAS; Denge Liu, Nanjing Institute of Geography and Limnology, CAS, *Approach to measurement of urban pattern associated with environment effects: the case of Yangtze River Delta, China.*

11:20 Chunyang He*, College of resources science & technology, Beijing Normal University, China, *Examining the impacts of urban expansion on primary productivity of terrestrial vegetation in China from 2000 to 2008.*

2267. Community Health (Sponsored by Health and Medical Geography Specialty Group)

Room: *Issaquah B - Sheraton Hotel, Union Tower, Third Floor*
(Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Neenah Estrella-Luna, Northeastern University

10:00 Louisa M Holmes*, University of Southern California; Enrico A. Marcelli, Ph.D., San Diego State University, *A Sociogeography of Cardiovascular Risk: Neighborhood Influences on Blood Pressure and Inflammation.*

10:20 Ganlin Huang*, UC Davis; Jonathan London, UC Davis, Center for Regional Change, *Landscapes of environmental hazards, social conditions and health in San Joaquin Valley, California.*

10:40 Neenah Estrella-Luna, PhD*, Northeastern University; Madeleine Kangsen Scammell, DSc, Boston

WEDNESDAY, APRIL 13 • 10:00 AM - 11:40 AM • 2200

- University, School of Public Health, *A lesson on the difference between theory and practice: developing a web-based community health indicators mapping tool.*
- 2268. Critical Transportation Geographies (Sponsored by Transportation Geography Specialty Group)**
Room: *Kirkland - Sheraton Hotel, Union Tower, Third Floor*
(Paper Session)
ORGANIZER(S): Julie Cidell, University of Illinois
CHAIR(S): Jason Henderson, San Francisco State University
10:00 Jason Henderson, Associate Professor*, San Francisco State University, *The Politics of Reconfiguring Urban Streets in San Francisco, CA.*
10:20 David L. Prytherch, Associate Professor*, Miami University, *Contesting the Right to the Right-of-Way: Legal Geographies of Mobility and the Street.*
10:40 Christian Mettke*, Darmstadt University of Technology, *A Topology of Public Transit in Suburbia.*
11:00 Pere Suau-Sanchez*, Universitat Autònoma Barcelona; Montserrat Pallares-Barbera, Universitat Autònoma Barcelona, *Multi-scalar approach to air transport: A perspective for Europe, Spain and Barcelona.*
Discussant(s): Julie Cidell, University of Illinois
- 2269. The climate change challenge and geographies of transport and mobilities II (Sponsored by Transportation Geography Specialty Group)**
Room: *Leschi - Sheraton Hotel, Union Tower, Third Floor*
(Paper Session)
ORGANIZER(S): Tim Schwanen, University of Oxford
CHAIR(S): Tim Schwanen, University of Oxford
10:00 William R. Black, Professor*, Indiana University, *Climate Change and the Freight Transport Sector.*
10:20 Nihan Akyelken*, University of Oxford; Nihan Akyelken, University of Oxford, *Internalization of External Costs in Freight Transport.*
10:40 David Gray*, Robert Gordon University, *Should I even be here? Reflections on videoconferencing research within a UK University.*
11:00 Mark Barnes*, Rutgers, The State University of New Jersey, *The Complex Hazard: Scaling Transport Disruption and Impact through Snow Events in Philadelphia, PA.*
11:20 Christi Willison*, Parsons Brinckerhoff; Michael Flood, AICP, Parsons Brinckerhoff, *Assessing Infrastructure for Criticality.*
- 2270. Global suburbanisms: conceptual departures 2**
Room: *Medina - Sheraton Hotel, Union Tower, Third Floor*
(Paper Session)
ORGANIZER(S): Roger Keil, York University
CHAIR(S): Roger Keil, York University
Panelists: Markus Moos, University of Waterloo; Jan Nijman, University of Miami; Jill Grant, Dalhousie University; Ute Lehrer, York University; Michael Ekers, University of Toronto; Nicholas Phelps
- 2271. Research Directions in Spatial Cognition (Sponsored by Environmental Perception and Behavioral Geography Specialty Group)**
Room: *Metropolitan Ballroom A - Sheraton Hotel, Third Floor*
(Paper Session)
ORGANIZER(S): Christopher Badurek, Appalachian State University
CHAIR(S): Christopher Badurek, Appalachian State University
- 2272. For Julie Graham: Performing Diverse Economies (Sponsored by Geographic Perspectives on Women Specialty Group, Economic Geography Specialty Group)**
Room: *Metropolitan Ballroom B - Sheraton Hotel, Third Floor*
(Paper Session)
ORGANIZER(S): Gerda Roelvink, University of Western Sydney; Kevin St. Martin, Rutgers University
CHAIR(S): Gerda Roelvink, University of Western Sydney
10:00 Gerda Roelvink*, University of Western Sydney, *Diverse economies research and economic transformation.*
10:20 Michelle A Carnegie*, Macquarie University, *The diverse economies approach : Undoing binary frameworks of economy, development and region.*
10:40 Sarah A. Moore*, University of Arizona; Paul Robbins, University of Arizona, *Nature's diverse economies: The postcapitalism of cultural and political ecology.*
11:00 Jenny Cameron*, University of Newcastle, Australia, *Enacting Ethical Commitments through Economic Practices.*
11:20 Elizabeth S. Barron*, Harvard University; Marla R. Emery, USDA Forest Service, *(Re)envisioning Economy and Ecology in the Northeastern United States.*
- 2273. Extending "America": Critical historical geographies of empire and development (Sponsored by Political Geography Specialty Group, Socialist and Critical Geography Specialty Group, Historical Geography Specialty Group)**
Room: *Queen Anne - Sheraton Hotel, Union Tower, Third Floor*
(Paper Session)
ORGANIZER(S): Mona Domosh, Dartmouth College; Chris Sneddon, Dartmouth College
CHAIR(S): Chris Sneddon, Dartmouth College
10:00 Scott Kirsch*, University of North Carolina, *The Road to Baguio: Space and Symbolic Action in the American Colonial Philippines.*
10:20 Mona Domosh*, Dartmouth College, *Managing war: American businessmen in revolutionary Russia.*
10:40 Matthew Farish*, Department of Geography, University of Toronto, *Western Electric Turns North: Engineers, Contractors, and the Technical Cold War.*
11:00 Chris S. Sneddon*, Dartmouth College, *The "Modern Cheops": John L. Savage, the Bureau of Reclamation and the Geopolitics of Technical Assistance, 1935-1950.*
Discussant(s): John A. Agnew, University of California - Los Angeles
- 2274. Researching food justice: re-imagining food spaces and (in) justices in both practice and theory (Part 2)**
Room: *Ravenna - Sheraton Hotel, Union Tower, Third Floor*
(Paper Session)
ORGANIZER(S): Jesse McEntee, Cardiff University; Alison Alkon, University of California, Davis
CHAIR(S): Julian Agyeman, Tufts University
10:00 Poppy Nicol*, Cardiff University, *How does an apple enter the city?.*
10:20 Molly McCullagh, M.A./M.S. Candidate*, Tufts University, *Participation of Diverse Community Residents on Food Policy Councils.*
10:40 Jason Slipp*, Lehigh University, *The Southside Community Garden Project: Connecting the Social and Ecological.*
11:00 Margaret M Ramirez*, University of Washington, Seattle, *'Food as an engine': the transformative potential of food justice work in Seattle.*
Discussant(s): Jesse McEntee, Cardiff University

WEDNESDAY, APRIL 13 • 10:00 AM - 11:40 AM • 2200**2275. Tourism Geographies, 'Sustainabilities' and Global Change II: Developed Economies (cosponsor: IGU Tourism Commission) (Sponsored by Recreation, Tourism, and Sport Specialty Group)**

Room: *Wallingford - Sheraton Hotel, Union Tower, Third Floor*
(Paper Session)

ORGANIZER(S): Alan A. Lew, Northern Arizona University;
Jarkko Saarinen, University of Oulu

CHAIR(S): Jarkko Saarinen, University of Oulu

10:00 Sonya Graci, Dr.*, Ted Rogers School of Hospitality and Tourism Management, *What are the Barriers to Aboriginal Ecotourism Development in Ontario?*.

10:20 A. Katrina Engelsted, Colgate University; Daisaku Yamamoto*, Colgate University, *Volunteer organic farm tourism and regional development: the case of WWOOF*.

10:40 Bart Neuts*, Katholieke Universiteit Leuven, *Consuming space: societal costs and benefits of tourist use of public space in an urban environment*.

11:00 Alyssa Lee, MA, Honours*, University of Auckland, *Exploring the relationship between corporate marketing strategies, climate change and social anxieties: What are we consuming when we purchase 'ecotourism'?*.

11:20 Antti Honkanen*, University of Eastern Finland, Centre for Tourism Studies, *Sustainability and the democratization of tourism - The limits of growth in travelling abroad*.

2276. Time Geography: Recent Progress and Future Prospects (I) (Sponsored by Geographic Information Science and Systems Specialty Group, Space-Time Symposium, Spatial Analysis and Modeling Specialty Group, Transportation Geography Specialty Group)

Room: *Aspen Room - Sheraton Hotel, Second Floor* (Paper Session)

ORGANIZER(S): Shih-Lung Shaw, University of Tennessee;
Hongbo Yu, Oklahoma State University

CHAIR(S): Shih-Lung Shaw, University of Tennessee

10:00 Thomas Thevenin*, University of Burgundy - THEMA / CNRS, *40 years of Time Geography: From the conceptual Framework to the GI Science contributions*.

10:20 Bradley W. Lane*, University of Texas at El Paso, *An application of time geography and activity-travel behavior research to public transportation*.

10:40 Ying Song*, University of Utah; Harvey J Miller, University of Utah, *The Expected Cost of Space-Time Prisms*.

11:00 Tijs Neutens*, Ghent University; Matthias Delafontaine, Ghent University; Tim Schwanen, University of Oxford; Nico Van de Weghe, Ghent University, *Temporal variation in individual accessibility*.

11:20 Hongbo Yu*, Oklahoma State University; Shih-Lung Shaw, University of Tennessee, *A Study of Similarity Measures for Space-Time Paths*.

2277. Spatiotemporal Data Infrastructure (Sponsored by Space-Time Symposium)

Room: *Cedar Room - Sheraton Hotel, Second Floor* (Paper Session)

ORGANIZER(S): Space-Time Symposium Organizing Committee

CHAIR(S): Ling Bian, SUNY- Buffalo

10:00 Yanfen Le*, Northwest Missouri State University, *Challenges in Data Integration for Spatiotemporal Analysis*.

10:20 VM Megler*, Portland State University; David Maier, PhD, Portland State University, *Data Near Here: Ranked Geospatial-Temporal Search of Scientific Data*.

10:40 Jitendra Sharma*, Gainesville State College, *Geospatial Technology and the Experiential Learning of Mechanics*.

11:00 Budhendra Bhaduri*, Oak Ridge National Laboratory, *Computational Approaches for Spatio-temporal Data Driven Modeling and Visualization*.

11:20 Ling Bian*, SUNY- Buffalo; Shixiong Hu, Department of Geography, East Stroudsburg University of Pennsylvania, *Spatio-temporal relationship meta-information for interoperable environmental models*.

2278. "This Fight Is Not in Vain/ We've Got a World to Gain!": The Wisconsin Public Workers' Struggle (Sponsored by Socialist and Critical Geography Specialty Group)

Room: *Douglas Room - Sheraton Hotel, Second Floor* (Panel Session)

ORGANIZER(S): Oliver Christian Belcher, University of British Columbia

CHAIR(S): Oliver Christian Belcher, University of British Columbia

10:00 Jeremy Sorenson

10:10 Keith Woodward, University of Wisconsin-Madison

10:20 Abigail Neely, University of Wisconsin - Madison

10:30 Kristin M. Sziarto, University of Wisconsin-Milwaukee

10:40 Kris Olds, University Of Wisconsin-Madison

10:50 Kevin Gibbons

2280. Memorializations and Sacralizations: Social Change and Political Conflict

Room: *Grand Ballroom B - Sheraton Hotel, Second Floor*

(Paper Session)

ORGANIZER(S): Myriam Houssay-Holzschuch, University of Lyon, ENS de Lyon; Benjamin Forest, McGill University

CHAIR(S): Myriam Houssay-Holzschuch, University of Lyon, ENS de Lyon

10:00 Meagan Todd*, University of Colorado, *Sacred Spaces and Secular Concerns: Production of the Mosque Landscape in Astrakhan, Russia*.

10:20 Annika Teppo, PhD (Soc. Anthr.)*, University of Helsinki; Myriam Houssay-Holzschuch, PhD, Ecole Normale Supérieure de Lyon, *Processes of sacralization, spaces of transformation: the Cape Town case*.

10:40 Natalie Kaiser, McGill University; Benjamin Forest*, McGill University, *Tourism, Heritage and Public Memory in Havana, Cuba*.

11:00 Anne-Laure Amilhat Szary, Dr.*, Université Joseph Fourier / Institut Universitaire de France / CNRS: PACTE, *Art on the Border : from Oblivion to Resistance. The creative scene around the Israel / Palestine Wall*.

Discussant(s): Karen E. Till, Virginia Tech University

2283. Remote Sensing and Land Cover Change

Room: *Juniper Room - Sheraton Hotel, Second Floor* (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Douglas A Stow, San Diego State University

10:00 Ashley Powell*, Department of Geography, University of Utah, Salt Lake City, UT; Christopher Balzotti, Department of Geography, University of Utah, Salt Lake City, UT; Elise Brehm, Department of Geography, University of Utah, Salt Lake City, UT; Austin Coates, Department of Geography, University of Utah, Salt Lake City, UT; Greg Fryer, Department of Geography, University of Utah, Salt Lake City, UT; Briant Judkins, Department of Geography, University of Utah, Salt Lake City, UT; Haifeng Liao, Department of Geography, University of Utah, Salt Lake City, UT; Scott Matheson, Department of Geography, University of Utah, Salt Lake City, UT; Casey Matozevich, Department of Geography, University of Utah, Salt Lake City, UT; Ran Meng, Department of Geography, University of Utah, Salt Lake City, UT; Jessica

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- Pechmann, Department of Geography, University of Utah, Salt Lake City, UT; Yi Qi, Department of Geography, University of Utah, Salt Lake City, UT; James Turrin, Department of Geography, University of Utah, Salt Lake City, UT; Thomas Zumbado, Department of Geography, University of Utah, Salt Lake City, UT; Philip E. Dennison, PhD, Department of Geography, University of Utah, Salt Lake City, UT, *A comparison of automated change detection algorithms for detecting forest disturbance using Landsat time series data.*
- 10:20** Shanshan Cai*, The Ohio State University; Desheng Liu, The Ohio State University, *A Spatial-temporal Approach for Correction of Illogical Land Cover Transitions in Multi-temporal Change Detection.*
- 10:40** Ryo Michishita*, University of Utah; Peng Gong, University of California, Berkeley; Bing Xu, Tsinghua University / University of Utah, *Time-series Analysis of Bi-Scale Land Cover Fractions for Wetland Mapping in the Poyang Lake Area, China.*
- 11:00** Dengsheng Lu*, Indiana University-ACT; Guiying Li, Indiana University; Emilio Moran, Indiana University, *Integration of Landsat TM and radar data for land-cover classification in the Brazilian Amazon.*
- 11:20** Douglas A. Stow*, San Diego State University; John R. Weeks, San Diego State University; Yu Hsin Tsai, San Diego State University; Christopher D. Lippitt, San Diego State University; Lloyd L. Coulter, San Diego State University - UC Santa Barbara, *Analysis of Fine-Scale Land Cover Change Within Accra, Ghana: 2002-2010.*
- 2284. Parks & Open Space (Sponsored by Recreation, Tourism, and Sport Specialty Group, Urban Geography Specialty Group)**
Room: *Madrona Room - Sheraton Hotel, Second Floor (Paper Session)*
 ORGANIZER(S): Dorothy Ibes, Arizona State University
 CHAIR(S): Dorothy Ibes, Arizona State University
10:00 Dorothy C Ibes, Doctoral Student*, Arizona State University, *Optimization of Park and Open Space Socio-Ecological Benefits in a Transboundary Watershed: The Case of Ambos Nogales.*
10:20 Elyssa Gutbrod*, Arizona State University, *A tale of three trails in the Petrified Forest National Park: analyzing the past, present, and future tourist trends.*
10:40 Benjamin W. Stanley*, Arizona State University, *Diverse Social Contact in Urban Open Space: case studies from premodern and modern cities.*
11:00 Philippe Apparicio*, University of Québec (INRS-UCS); Thi Thanh Hien Pham, University of Quebec (INRS-UCS); Anne-Marie Séguin, University of Quebec (INRS-UCS); Marie-Soleil Cloutier, University of Quebec (INRS-UCS), *Environmental justice and accessibility to parks for children in Montreal: Integration of GIS Data and very high resolution images.*
11:20 Catalina Garzon*, University of California-Berkeley; Eli Moore, MA, Pacific Institute, *Engaging Youth in Urban Parks Research and Advocacy: Results and reflections from a participatory youth survey and photo-voice project on city park conditions and policy solutions in Richmond CA.*
- 2286. Integrating Space and Time in Social Research: Conceptual and Methodological Issues (Sponsored by Space-Time Symposium)**
Room: *Willow A - Sheraton Hotel, Second Floor (Paper Session)*
 ORGANIZER(S): Mei-Po Kwan, Ohio State University
 CHAIR(S): John Casterline, Ohio State University
10:00 John Casterline*, Ohio State University, *Strategies for Measuring Activity Space in Social Surveys.*
10:20 Christopher Browning*, Ohio State University, *The Spatial and Social Embeddedness of Youth Activities.*
10:40 Catherine Calder*, The Ohio State University; William Darnieder, The Ohio State University; Christopher Browning, The Ohio State University; Lauren Krivo, Rutgers University; Mei-Po Kwan, The Ohio State University; Ruth Peterson, The Ohio State University, *Estimation of Individual Activity Spaces from Incomplete Activity Pattern Data.*
11:00 John Rainey*, The Ohio State University; Mei Po Kwan, The Ohio State University, *A New Conceptualization of Racial Segregation Using a Time-Geographic Approach and Geo-narrative Analysis.*
 Discussant(s): Bethany Deeds, National Institute on Drug Abuse
- 2287. Major Placename Research Projects (Sponsored by Space-Time Symposium, Harvard University Center for Geographic Analysis, Association of American Geographers)**
Room: *Willow B - Sheraton Hotel, Second Floor (Paper Session)*
 ORGANIZER(S): Peter Bol, Harvard University
 CHAIR(S): Peter Bol, Harvard University
10:00 Songdi Wu*, Fudan University; Zhimin MAN*, Fudan University; Tao SUN*, Fudan University, *Towards a Database of Chinese Historical Place-Names.*
10:20 Sean Gillies*, New York University; Tom Elliot, New York University, *Pleiades: the un-GIS for ancient geography.*
10:40 David Parsons*, University of Wales, *Place-Names Research in Britain.*
11:00 Jon Campbell*, United States Geological Survey, *Introduction to the Board on Geographic Names.*
11:20 Marc Wick*, GeoNames, *GeoNames.*

WEDNESDAY, APRIL 13 • 11:50 AM - 12:30 PM • 2300**2308. The Role of Geography in Census 2010 and the Census Bureau**

Room: 608 - Washington State Convention Center, Level 6
(Panel Session)
ORGANIZER: Association of American Geographers
CHAIR: Michael Ratcliffe, U.S. Census Bureau
Introduction: Patricia Gober, Arizona State University
Speaker: **Timothy F. Trainor**, U.S. Census Bureau
Note: See full session description on page 17

2309. The Cloud as a Platform for Platforms - Cloud Computing for Geographers (Sponsored by Cyberinfrastructure Specialty Group, Amazon Web Services)

Room: 609 - Washington State Convention Center, Level 6
(Paper Session)
ORGANIZER(S): AAG
CHAIR(S): Chaowei Yang, CISC/GMU
Introducer: Chaowei Yang
12:00 Jinesh Varia*, Amazon Web Services, *The Cloud as a Platform for Platforms - Cloud Computing for Geographers.*

2348. Department Chairs Luncheon

Wednesday, April 13, 11:50 am - 2:00 pm
Room: Cirrus Ballroom - Sheraton Hotel, Pike Tower, Thirty Fifth Floor
ORGANIZER(S): Kenneth E. Foote, University of Colorado

2379. Specialty and Affinity Group Chairs Meeting

Wednesday, April 13, 11:50 am - 12:45 pm
Room: Grand Ballroom A - Sheraton Hotel, Second Floor

WEDNESDAY, APRIL 13 • 12:40 PM - 2:20 PM • 2400**2403. Agent-based Modeling**

Room: 603 - Washington State Convention Center, Level 6
(Paper Session)
ORGANIZER(S): Program Committee
CHAIR(S): Jerry Mount, University of Iowa
12:40 Tika Adhikari*, Department of Geography, University of Iowa; Dr. David A Bennett, Professor, Department of Geography, University of Iowa, *An Agent-based Model for Exploring the Consequences of Risk Attitudes on Land Use Decisions and Ecosystem Services.*
1:00 Elizabeth A Lyon*, US Army Corps of Engineers/George Mason University, *Post Conflict Affected Agents and the New Economic Geography.*
1:20 Jerry Mount*, The University of Iowa; David Bennett, The University of Iowa, *Context and wayfinding.*

2404. 2011 Distinguished Historical Geographer Plenary Lecture (Sponsored by Historical Geography Specialty Group)

Room: 604 - Washington State Convention Center, Level 6
(Paper Session)
ORGANIZER(S): Jamie Winders, Syracuse University; Karen M. Morin, Bucknell University
CHAIR(S): Garth Andrew Myers, University of Kansas
Introducer: Jamie Winders
12:45 Richard H. Schein*, University Of Kentucky, *Life, Liberty, and the pursuit of historical geography.*

2406. Ecosystem Energetics and Forest Dynamics Under Climate Change

Room: 606 - Washington State Convention Center, Level 6
(Paper Session)
ORGANIZER(S): Program Committee
CHAIR(S): Keith Holmes, University of Victoria
12:40 Guoping Tang*, Department of Plant Biology, University of Vermont; Brain Beckage, Department of Plant Biology, University of Vermont; Benjamin Smith, Department of Earth and Ecosystem Sciences, Geobiosphere Sciences Centre, Lund University, *The potential transient dynamics of forests in New England under historical and future projected climate change.*

1:00 Steven Jennings*, University of Colorado at Colorado Springs, *Forest Mosaics on Pikes Peak, Colorado.*

1:20 Zhongming Wen*, Insitute of Soil and Water Conservation, CAS; Feng Jiao, Insitute of Soil and Water Conservation, CAS, *The potential biomass carrying capacity and its use for the ecological management.*

1:40 Keith R Holmes, BSc*, University of Victoria; Trisalyn A Nelson, PHD, University of Victoria; Nicholas Coops, University of British Columbia; Michael Wulder, Natural Resources Canada, *Literature Review: Studies Linking Climate Change Scenarios to Biodiversity and Species Data in Order to Protect Future Distributions.*

2:00 Youngsang Kwon*, SUNY - Buffalo, *Comparing the NPP to GPP ratio as predicted by MODIS and the FIA database across forest type and environmental gradients.*

2407. Innovative and Engaging Communications in and Beyond the Academy: Logics, Practices, Impacts and Governance (Sponsored by Economic Geography Specialty Group)

Room: 607 - Washington State Convention Center, Level 6
(Panel Session)
ORGANIZER(S): Kris Olds, University Of Wisconsin-Madison
CHAIR(S): Andrew Leyshon, University of Nottingham
Introducer: Kris Olds
Panelists: Don Mitchell, Syracuse University; Valerie November, Ecole Polytechnique Federal de Lausanne (EPFL); Phillip O'Neill, University of Western Sydney; Kris Olds, University Of Wisconsin-Madison; Susan M. Roberts, University Of Kentucky; Gisèle Yasmeen, Social Sciences and Humanities Research Council of Canada

WEDNESDAY, APRIL 13 • 12:40 PM - 2:20 PM • 2400

- 2409. Spatial Cloud Computing (SCC): How could geographers use and help to shape cloud computing? (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group, Spatial Analysis and Modeling Specialty Group)**
Room: 609 - Washington State Convention Center, Level 6
 (Panel Session)
 ORGANIZER(S): Chaowei Yang, CISC/GMU
 CHAIR(S): Michael Goodchild, University of California - Santa Barbara
 Panelists: Victoria Kouyoumjian, Esri; Krishna Kumar, Microsoft; John Mahoney, U.S. Geological Survey; Robert Raskin, Jet Propulsion Lab; Jinesh Varia, Amazon Web Services; Shaowen Wang, University of Illinois at Urbana-Champaign; Dawn J. Wright, Oregon State University; Chaowei Yang, CISC/GMU
- 2411. Publishing in Urban Geography (Sponsored by Urban Geography Specialty Group)**
Room: 611 - Washington State Convention Center, Level 6
 (Panel Session)
 ORGANIZER(S): Susan Hanson, Clark University
 CHAIR(S): Susan Hanson, Clark University
 Panelists: Elvin K. Wyly, University of British Columbia; Peter O. Muller, University of Miami; Benjamin Forest, McGill University; John S. Adams, University of Minnesota - Minneapolis
- 2412. New Voices in Rural Geography #1: United States Research (Sponsored by Rural Geography Specialty Group)**
Room: 612 - Washington State Convention Center, Level 6
 (Paper Session)
 ORGANIZER(S): Dawn M Drake, University of Tennessee
 CHAIR(S): Dawn M Drake, University of Tennessee
12:40 Benjamin M. Munro*, Kansas State University, *Farming for Fuel: Intentions of Farmers Toward Cellulosic Ethanol Crops.*
1:00 Miriam A Cope*, University of Illinois Urbana-Champaign, *Farmers' Knowledge, Marginal Land, and the Potential of Bioenergy Crop Production in an Agricultural Watershed.*
1:20 Susan Garbini*, Geography Graduate Group, University of California Davis, *Agricultural Landscape, Practice, and Identity in Transition in Yolo County, California.*
1:40 Marcel LaFlamme*, Rice University, *Locating NBAF: The Imperial (Bio)politics of Site Selection.*
- 2413. Geographies of Speculation 1 - Time-Space, Capitalism and The Future in Financial Markets (Sponsored by Economic Geography Specialty Group)**
Room: 613 - Washington State Convention Center, Level 6
 (Paper Session)
 ORGANIZER(S): Christopher Muellerleile, University of Wisconsin, Madison; Tim Heinemann, HafenCity University Hamburg
 CHAIR(S): Christopher Muellerleile, University of Wisconsin, Madison
12:40 Michael Pryke*, open university, *Reflecting on the spatialities of the financial crisis: Financial innovation, spatial innovation and the politics of a financialized future.*
1:00 Mark T Kear*, Simon Fraser University, *The Everyday Construction of Individual Financial Futures.*
1:20 Christopher M. Muellerleile*, University of Wisconsin, Madison; Keith Woodward, University of Wisconsin-Madison, *Finance, Futures and the Power of Speculation.*
- 1:39** Shaun French, Dr*, University Of Nottingham; James Kneale, Dr, University College London, *Speculating on careless lives: Annuitising the biofinancial future.*
1:59 Tim Heinemann*, HafenCity University Hamburg, *Constructing Convergence - Time-Spaces of the Turkish Emerging Market.*
 Discussant(s): Geoff Mann, Simon Fraser University
- 2414. Value Proposition to Geography Departments of the Private / Public Affinity Group (Sponsored by Private/Public Affinity Group, Applied Geography Specialty Group, Enhancing Departments and Graduate Education project (EDGE))**
Room: 614 - Washington State Convention Center, Level 6
 (Panel Session)
 ORGANIZER(S): Edwin Butterworth, CICI International; Jeffrey M. Young, LizardTech
 CHAIR(S): Edwin Butterworth, CICI International
 Panelists: Bill Hodge, Full Member; Joy K. Adams, Association of American Geographers
- 2415. Urbanization and City Landscapes in China**
Room: 615 - Washington State Convention Center, Level 6
 (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Xuejiao Lin, Montana State University
12:40 Yan Chen*, The Hong Kong Institute of Education, *Amenities and disamenities: A hedonic analysis of the heterogeneous urban landscape in Shenzhen (China).*
1:00 Brenda Madrazo*, Utrecht University, *Urban Transformation in Chinese Cities: the Experience of Eight Different Neighbourhoods in Nanjing.*
1:20 Shujuan Li*, Utah State University; Daniel Sui, Ohio State University, *Pareto's Law and Sample Size: A Case Study of China's Urban System.*
1:40 Xuejiao Lin*, Montana State University, *Urbanization and Land Use Change of China in the Economic Reform Era: A Case Study of Shanghai.*
- 2416. Between absence and presence: hiding, dissimulation, invisibility, and silence (1) (Sponsored by Ethics, Justice, and Human Rights Specialty Group, Socialist and Critical Geography Specialty Group)**
Room: 616 - Washington State Convention Center, Level 6
 (Paper Session)
 ORGANIZER(S): Rhys Dafydd Jones, Aberystwyth University; Jennifer Turner, Aberystwyth University
 Introducer: Rhys Dafydd Jones
1:00 Georgie Urry*, Bristol University, *Neither presencing nor absencing: The stagnation of sensing-towards-presence in the call centre.*
1:20 Vincent Miller*, University of Kent, *The crisis of presence in contemporary culture..*
1:40 Jennifer Turner*, Aberystwyth University, *Criminals with 'Community Spirit': Practicing Citizenship in the Hidden World of the Prison.*
- 2417. Geographers working for the U.S. Army Geospatial Center [AGC] (Sponsored by Military Geography Specialty Group)**
Room: 617 - Washington State Convention Center, Level 6
 (Panel Session)
 ORGANIZER(S): Ray Caputo, U.S. Army Geospatial Center
 CHAIR(S): Ray Caputo, U.S. Army Geospatial Center

WEDNESDAY, APRIL 13 • 12:40 PM - 2:20 PM • 2400**2418. Human Dimensions of Oil Spills (Sponsored by Cultural and Political Ecology Specialty Group, Human Dimensions of Global Change Specialty Group)**

Room: 618 - Washington State Convention Center, Level 6
(Paper Session)

ORGANIZER(S): So-Min Cheong, University of Kansas

CHAIR(S): So-Min Cheong, University of Kansas

12:40 Thomas A Birkland, Ph.D.*, North Carolina State University, *Long Run Political Effects of the Deepwater Horizon Oil Spill.*

1:00 Molly McGraw*, Southeastern Louisiana University; Shawana Mouton, Southeastern Louisiana University, *The Oiling of Louisiana and the Great Sand Berm Controversy.*

1:20 So-Min Cheong*, University of Kansas, *The Hebei-Spirit Oil Spill Compensation and the Role of Government.*

1:40 Thomas D. Beamish, Ph.D.*, University of California-Davis, *The Hobson's choice of oil production.*

2:00 Robert Pomeroy*, University of Connecticut, *Rehabilitating livelihoods and communities after coastal disasters and oil spills.*

2419. Emerging Directions in Health-Environment Research I (Sponsored by Cultural and Political Ecology Specialty Group, Health and Medical Geography Specialty Group, Development Geographies Specialty Group)

Room: 619 - Washington State Convention Center, Level 6
(Paper Session)

ORGANIZER(S): Abigail Neely, University of Wisconsin - Madison; Brian King, The Pennsylvania State University

CHAIR(S): Abigail Neely, University of Wisconsin - Madison

12:40 Brian King*, The Pennsylvania State University, *"We pray at the church in the day and visit the sangomas at night": Health at the intersections of traditionality and HIV in rural South Africa.*

1:00 Micah Brianna Hahn, MPH*, Center for Sustainability and the Global Environment, University of Wisconsin-Madison, *Assessing Social and Ecological Determinants of Nipah Virus Risk in Bangladesh.*

1:20 Katie Fiorella*, University of California, Berkeley; Jason Nagata, University of California-San Francisco; Charles Salmen, University of California-San Francisco; Justin Brashares, PhD, University of California-Berkeley; Craig Cohen, MD, MPH, University of California-San Francisco, *Socio-ecological determinants of health: The case of HIV/AIDS on Mfangano Island, Kenya.*

1:40 William Buckingham*, University of Wisconsin - Madison, *Space, place and health: capturing volunteered geography to better provide public health resources and understanding..*

Discussant(s): Eric D. Carter, Grinnell College

2420. Compassion and Anguish

Room: 620 - Washington State Convention Center, Level 6
(Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Eunyoung Choi, University of British Columbia

12:40 Andreea Greavu*, CSULB, *Geovisualizing emotions of marathon runners: A case study of the Long Beach Marathon 2010.*

1:00 Heli Ponto, Ph.D. candidate*, University of Helsinki, Department of Geosciences and Geography, *Places of happiness in Helsinki - can happiness be urban?.*

1:20 Christopher Schroeder*, *Sanctuary or Prison: queer youth and the family, household, and home.*

1:40 Eunyoung Christina Choi*, University of British Columbia, *Confession, Compassion, and Commitment: Doing Geography with Anguish.*

2421. Water Resources, Geomorphology, Biogeography, and Soils

Room: 6ABC - Washington State Convention Center, Level 6
(Poster Session)

ORGANIZER(S): Program Committee

Rebekah Pine*, University of Alabama; Justin Hart, University of Alabama, *Patterns of Riparian and In-stream Large Woody Debris across Contrasting Stand Ages in a Southern Appalachian Forest.*

Stewart A Scales*, Virginia Tech; Lisa M Kennedy, PhD, Virginia Tech, *Spatial patterns of soil charcoal deposition after a prescribed fire on Middle Mountain, VA.*

Carl L. Johannessen*, University Of Oregon, *World Trade and Biological Exchanges Before 1492.*

Alexander J. Smith, MSc, ADGIS*, ENVIRON International Corp.; Jonathan T Ipock, ENVIRON International Corp.; Kym Rouse Cambell, MS, ENVIRON International Corp., *A Multi-Paradigm Approach to Spatial Modeling of Environmental Stressors.*

Jacob Richards*, University of Alabama; Justin Hart, University of Alabama, *Gap dynamics in mature mesic oak stands on the Cumberland Plateau, Alabama.*

Joshua Kincaid*, Shenandoah University; Emily Southgate, Hood College, *Exploratory analysis of historical habitats in the northern Shenandoah Valley, USA.*

Shannon McDonald*, Portland State University, *Effects of wind disturbance on understory diversity and forest succession in an old-growth stand in coastal Oregon, USA..*

Charlotte P Buehler*, Mississippi State University; John C Rodgers, Mississippi State University, *An investigation of Casuarina equisetifolia (Australian pine) modification of the environment on San Salvador Island, The Bahamas.*

William C Clark, B.S. University of New Hampshire*, Oregon State University; Julia A Jones, PhD The Johns Hopkins University, Oregon State University, *Spatial pattern of a fungal-like pathogen (Phytophthora lateralis) and its host, Port Orford cedar (Chamaecyparis lawsoniana) in the Coast Range of Oregon.*

Vera W Pfeiffer*, Oregon State University; Julia A Jones, PhD The Johns Hopkins University, Oregon State University; Matthew G Betts, PhD University of New Brunswick, Oregon State University, *Temporal changes in the configuration of habitat: Habitat fragmentation dynamics in montane meadows of the Western Cascades.*

Joshua Baldwin*, New Mexico State University, *Where the Wild Things Aren't-An ecoregional approach to determining correlations between social variables and the distribution of threatened and endangered species of New Mexico.*

Rachel O'Connor*, *Creating an Urban Tree Inventory in a Rural Community.*

Nadia Jones*, Portland State University, *Investigating the Neoglacial History of Eliot Glacier, Mount Hood, Oregon.*

Antoinette M.G.A. WinklerPrins*, Michigan State University; Newton Falcao, INPA, *Amazonian Dark Earth Formation in Urban Homegardens: Deliberate Action or Incidental Byproduct?.*

Benjamin Young, Ohio University; Dorothy Sack*, Ohio University, *Impacts of Impervious Surface Cover on Stream Hydrology and Stream-Reach Morphology, Northern Georgia.*

Andrew M Horan*, University of Florida; Joann Mossa, Ph.D., University of Florida; Ursula Garfield, M.S., University of Florida, *Spatially Mapping and Quantifying River Bank Erosion on the Lower Kissimmee River, Florida.*

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- Scott A. Lecce*, East Carolina University; Robert T. Pavlowsky, Missouri State University; Mark Owen, Missouri State University; Derek J. Martin, University of Tennessee, *Storage of Lead-Contaminated Mining Sediment in the Floodplains of the Big River, Missouri.*
- Stephen G. Tsikalas*, Texas State University, *Revisiting an Urban Cave Swallow (*Petrochelidon fulva*) site in San Marcos, Texas.*
- Alan F. Arbogast*, Michigan State University; Mark H. DeVisser, Michigan State University; Paul R. Hanson, University of Nebraska; Mike E. Bigsby, Michigan State University; Aaron R. Young, University of Nebraska, *OSL Ages of Coastal Sand Dunes along the Northwestern Shore of Lake Huron in Lower Michigan: Implications for Sand Supply and Paleowinds.*
- Joy Stelzer*, University Wisconsin Stevens Point; Audrey Mennenga*, University of Wisconsin Stevens Point, *Effects of Turbidity Currents and Tectonic Activity on Marshall Hill and the People of Brokaw, WI.*
- Lee Stocks, PhD*, University of North Carolina at Pembroke, *Mapping the Mysterious Carolina Bays.*
- Douglas Faulkner, University of Wisconsin-Eau Claire; Harry M Jol, University of Wisconsin-Eau Claire; Garry Running*, University Of Wisconsin, Eau Claire, *Post-Glacial Terraces in the Lower Chippewa River Valley, west-central Wisconsin: Does Change in Local Base Level Control Incision of Upper Mississippi River Tributaries?.*
- Lauren Wasby*, Portland State University Geology Dept, *Interpreting Geomorphology in Glacier National Park: A Tribute to the Forces of Glaciation and Mass Movement..*
- Brandon Jeffery Weihs*, Kansas State University; William D. Butler, Kansas State University; Richard A. Marston, PhD, Kansas State University, *Cross-Valley Profiles in Deglaciated Canyons, Grand Teton National Park.*
- William Butler*, Kansas State University; Brandon Jeffery Weihs, Kansas State University; Richard A. Marston, Kansas State University, *Mapping Mass Movement Hazards in Deglaciated Canyons in Grand Teton National Park, Wyoming.*
- Lorna Curran*, University of Alaska Fairbanks; Patricia Heiser, University of Alaska Fairbanks, *Asymmetrical Valleys in Unglaciated Interior Alaska.*
- Nicole Elder, University of Northern Iowa; Patrick Pease*, University of Northern Iowa; Dennis Dahms, University of Northern Iowa, *An Examination of Lab-Based Hyperspectral Data for the Rapid, Non-Destructive Analysis of Lake Cores.*
- Andrew Bach*, Western Washinton University; David Bishop, Grant County, *Last Gasp of the Megaflood: Geomorphic and Water History at Potholes Coulee, WA.*
- Derek Martin*, University of Tennessee, *Hydrology and Water Quality of Regulated Flows of the Nantahala River.*
- Karl Lillquist, PhD*, Central Washington University; Anthony Gabriel, PhD, Central Washington University; Ben Sainsbury, M.S.; Thomas Winter, Central Washington University, *Spatial and Temporal Fluctuations of Closed-Basin, Wetland Ponds, Waterville Plateau, Washington.*
- Katelyn M Toebbe*, University of Louisville, *The Effect of Urbanization on the Banklick Creek Watershed, KY.*
- Leslie Sinak*, University of Wisconsin-Madison, *Impacts of Climate & Land-Use Change: Applications of wavelet analysis and statistical methods in the Sugar River, Wisconsin.*
- Bibek Bhattarai*, University of Nebraska at Omaha, *Water in Nepal: Challenges and Opportunities.*
- Tommy Wachholder*, Central Washington University, *Applying Wetland Rating Systems to Assess Functions of Wetlands Created by Mass Wasting Events.*
- Timothy Joyner*, Louisiana State University - Baton Rouge, *Model Simulation of Water Quality Parameters in the Pearl River Basin.*
- Chantal Begley*, Bridgewater State University, *Treating Storm Water Before it Enters Our Drinking Water, Is It Affordable?.*
- Dale R. Lightfoot*, Oklahoma State University, *New Perspectives on the Distribution and Restoration of Old World Qanats.*
- Patricia J. Beyer, Ph.D.*, Bloomsburg University of Pennsylvania, *Water Use in Pennsylvania, 1985-2005, and the Impacts of Natural Gas Production from the Marcellus Shale.*
- Joseph Terzungwe Zume*, Shippensburg University, *Streamflow Time Series Analysis for the Lower Susquehanna River in Pennsylvania.*
- Scott M Elder*, Cal Poly Pomona, *Water Quality and its distribution pattern throughout Piso Firme and the Paraguá River.*
- Amber R. Ignatius, PhD Student*, University of Georgia, Department of Geography; Andrew J. Grundstein, PhD, University of Georgia, Department of Geography; Todd C. Rasmussen, PhD, University of Georgia, Warnell School of Forestry and Natural Resources; Brian Avant, MA Student, Warnell School of Forestry and Natural Resources; Marshall Shepherd, PhD, University of Georgia, Department of Geography; Thomas L. Mote, PhD, University of Georgia, Department of Geography, *A methodology for hydrological modeling in data poor regions using Satellite-based and Reanalysis Meteorological Data.*
- 2424. Global drylands: facing uncertainty and change in the 21st Century (Sponsored by Cultural and Political Ecology Specialty Group, Human Dimensions of Global Change Specialty Group, Development Geographies Specialty Group)**
- Room:* 301 - Washington State Convention Center, Level 3 (Paper Session)
- ORGANIZER(S): Leif Brottem, University of Wisconsin-Madison; Hilary Hungerford, University of Kansas
- CHAIR(S): Leif Brottem, University of Wisconsin-Madison
- 12:40** Leif Brottem*, University of Wisconsin-Madison, *This land is [not] your land: farmers, herders and territorializations in Mali, West Africa.*
- 12:58** Hilary Hungerford*, University of Kansas, *Urban Water Systems in the Drylands: A Case of Niamey, Niger.*
- 1:16** Barbara Cooper, Ph.D.*, Rutgers University, *Reflections on the interplay of ideas about environment and fertility in Niger from the late 19th century to the present.*
- 1:34** Catherine T Day*, UW-Madison, *Climate Change and Rural Hausa Livelihoods: Land, Labor and Gender in the Muslim Sahel.*
- 1:52** Jon D Unruh*, McGill University, *Opposed narratives and collective action in a conflict context: the case of land rights in Darfur.*
- Discussant(s): Jesse Ribot, University of Illinois

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- 2425. Applied Human-Environment Interactions I (Sponsored by Cultural and Political Ecology Specialty Group, Human Dimensions of Global Change Specialty Group)**
 Room: 302 - Washington State Convention Center, Level 3
 (Paper Session)
 ORGANIZER(S): Amy L McCleary, University of North Carolina at Chapel Hill; Kim Engie
 CHAIR(S): Amy L McCleary, University of North Carolina at Chapel Hill
12:40 Sharon Moran*, State University of New York - Env. Science and Forestry, Syracuse, NY; Mike Dimpfl, State University of New York - Env. Sci. and Forestry, Syracuse, NY, *Governance practices and household wastewater: insights from a lakeside community.*
1:00 Joel Hartter*, University of New Hampshire; Forrest R Stevens, University of Florida, *Community and Forest: Linked Human-Ecosystem Responses to Landscape Change in Northeast Oregon.*
1:20 Kim Engie*, University of North Carolina at Chapel Hill, *Evolving sustainable livelihoods in the Galápagos: struggles in a transition to a tourism-based economy.*
1:40 Jaime Rossiter*, San Diego State University, *Environmental Perceptions and Social Attitudes Regarding the Multiple Species Conservation Program in San Diego County.*
2:00 Kirsten Maclean*, CSIRO; Cathy Robinson, CSIRO, *Water in the Wet Tropics: a case study of Indigenous water values and interests in Australia.*
- 2426. Dendrochronology VI: Dendrogeomorphology (Sponsored by Paleoenvironmental Change Specialty Group, Biogeography Specialty Group)**
 Room: 303 - Washington State Convention Center, Level 3
 (Paper Session)
 ORGANIZER(S): Christopher M. Gentry, Austin Peay State University; Jodi N. Axelson, University of Victoria
 CHAIR(S): Jodi N. Axelson, University of Victoria
12:40 Brendan Curran*, New Mexico State University, *Desert Dendrogeomorphology: On the Feasibility of a Study of Debris Flows in the Aguirre Springs Drainage of the Organ Mountains in Southern New Mexico.*
1:00 Emily Sousa*, University of Alaska-Fairbanks, School of Natural Resource Management and Agricultural Sciences; Patricia Heiser, University of Alaska Geography Program, *Geomorphic and climatic influences on white spruce growth at the forest-tundra ecotone in Southwest Alaska.*
1:20 Kara Pitman*, UVIC; Dan Smith, UVIC, *Constructing a supra-long chronology: A dendrolacustrine investigation in the Bella Coola Area, British Columbia.*
1:40 Jill Harvey*, University of Victoria; Sarah Laxton, PhD Candidate; Dan Smith, PhD, University of Victoria; Sandra Allen, MSc; Joe Desloges, PhD, *Dendroglaciological evidence of mid-Holocene glacial advances in the Monarch Icefield area, British Columbia Coast Mountains, Canada.*
2:00 Dan Smith*, University of Victoria; Sandy Allen, University of Victoria; Lynn Koehler, University of Victoria; Alberto Reyes, University of Alberta; John J. Clague, Simon Fraser University, *Dendroglaciological investigations in the Lillooet Icefield area, British Columbia Coast Mountains.*

- 2427. State Failure and Sovereignty (Sponsored by Political Geography Specialty Group, Africa Specialty Group)**
 Room: 304 - Washington State Convention Center, Level 3
 (Paper Session)
 ORGANIZER(S): Brennan M. Kraxberger, Christopher Newport University
 CHAIR(S): Brennan M. Kraxberger, Christopher Newport University
 Introducer: Brennan M. Kraxberger
12:45 Edward Heath Robinson*, University at Buffalo, *The Involuntary Extinction of States through the Application of Military Force by Foreign Powers.*
1:05 Rainer Rothfuss*, University of Tuebingen, Germany, *State Failure and/or Society Failure? From the Struggle for National Unity in Nigeria to Secession in South Sudan.*
1:25 Brennan M. Kraxberger*, Christopher Newport University; Kaitlin R. Kitchen*, Christopher Newport University, *The Viability of Stateless Zones.*

- 2428. Transformation in South Africa: Progress and Prospects**
 Room: 305 - Washington State Convention Center, Level 3
 (Paper Session)
 ORGANIZER(S): Gustav Visser, University of the Free State
 CHAIR(S): Gustav Visser, University of the Free State
12:40 Gustav Visser*, University of the Free State, *The matter of representation in South African urban geographical and planning discourse.*
1:00 Zarina Patel, Dr*, University of the Witwatersrand, *Climate Change - South Africa's 3rd Wave of Environmental Governance: Implications for theorizing environmental governance.*
1:20 Jayne Rogerson*, University of Johannesburg, *Segmentation and the South African hotel industry: The All Suite hotel.*
1:40 Jennifer S Lalley, DPhil*, University of the Witwatersrand; Samantha Fricker, BSc, University of the Witwatersrand, *Are multi-use conservation areas suitable for ecotourism? Views of ecotourists in South Africa.*
2:00 Christian Rogerson*, University of Johannesburg, *Urban tourism and regional tourists: shopping in Johannesburg, South Africa.*

- 2429. Remote Sensing, Climatology, and Water Resources**
 Room: 306 - Washington State Convention Center, Level 3
 (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Jeffrey Adam VanLooy, University Of Utah
12:40 Weishu Gong*, Department of Geography, University of Maryland, College Park, College Park, Maryland, *An Assessment of the Surface Radiation Budget over the Tibetan Plateau using Observed Data and Global Circulation Model simulations.*
1:00 Jianjun WU*, Beijing Normal University; Lei Zhou, Beijing Normal University, *An improved integrated index for monitoring drought in Mid-Eastern China.*
1:20 Zheng Lin*, Sun Yat-sen University; Hongxing Liu, Professor, University of Cincinnati; Richard Allan Beck, Doc., University of Cincinnati; Kenneth M Hinkel, Professor, University of Cincinnati; Lin Liu, Professor, University of Cincinnati; Haibin Su, University of Cincinnati, *Spatio-temporal analysis of lake water surface temperature using satellite thermal imagery.*
1:40 John Heinrichs*, Fort Hays State University, *Spatial Dynamics of Polynyas Revealed by ICESat Laser Altimetry.*

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- 2:00** Jeffrey Adam VanLooy*, University of North Dakota, *Increased thinning rate of the ablation zone of Hailtjuk Icefield, Southwest British Columbia, 2004 - 2010..*
- 2430. Vegetation Dynamics I (Sponsored by Biogeography Specialty Group)**
Room: 307 - Washington State Convention Center, Level 3
(Paper Session)
ORGANIZER(S): Adam T. Naito, Texas A&M University; William Flatley, Texas A&M University
CHAIR(S): William Flatley, Texas A&M University
12:40 William Preston Cumming*, The University of Colorado at Boulder, Geography Department; Susan W. Beatty, PhD, The University of Colorado, Geography Department, *Exotic plant invasion after fire: is microsite heterogeneity important?.*
- 1:00** Joan M. Welch, Ph.D.*, West Chester University, *Fire in the Woods: Invasive Plants Five Years Later.*
- 1:20** Anna Vandervlugt*, The Pennsylvania State University, *Estimating changes in forest structure and fire behavior through a comparison of pre-suppression and contemporary forest conditions in the Lake Tahoe Basin, CA.*
- 1:40** Charles W. Lafon*, Texas A & M University; Steven M. Quiring, Texas A&M University, *Relationships of Fire Occurrence to Climatic Moisture Regimes in the Contiguous U.S..*
- 2:00** William T. Flatley*, Texas A&M University; Charles W. Lafon, Ph.D., Texas A&M University; Henri D. Grissino-Mayer, Ph.D., University of Tennessee; Lisa B. LaForest, University of Tennessee, *The Influence of Climate and Culture on Patterns of Fire Disturbance in Montane Pine Stands of the Southern Appalachian Mountains.*
- 2431. The Changing Climate of Texas (Sponsored by Climate Specialty Group)**
Room: 308 - Washington State Convention Center, Level 3
(Paper Session)
ORGANIZER(S): Richard W. Dixon, Texas State University
CHAIR(S): Richard W. Dixon, Texas State University
12:40 Susan E. Street*, Texas State University, *Trends in Texas Precipitation: 1950-2002.*
- 1:00** Todd W Moore*, Texas State University-San Marcos; Richard W Dixon, Associate Professor, Texas State University-San Marcos, *Temperature Trends in Texas.*
- 1:20** Rebecca Kim Parylak*, Kent State University, Kent OH, *Precipitation Trends in Texas.*
- 1:40** Richard W. Dixon*, Texas State University, *Trends in Evaporation in Texas 1954 - 2007.*
- 2:00** Matthew H Connolly*, Texas State University-San Marcos; Richard W Dixon, Associate Professor, Texas State University-San Marcos, *GIS and the United States Historical Climatology Network in Texas: An IMS approach.*
- 2433. Geographies of Media VI: Border crossings (Sponsored by Political Geography Specialty Group, Cultural Geography Specialty Group, Communication Geography Specialty Group)**
Room: 310 - Washington State Convention Center, Level 3
(Paper Session)
ORGANIZER(S): Jason Dittmer, University College London; James Craine, California State University Northridge
CHAIR(S): Christina E. Dando, University of Nebraska-Omaha
12:40 Paul C. Adams, Ph.D.*, University of Texas at Austin, *The Trajectory: A Discursive Construct Involving a Here, a There, and an In-Between.*
- 1:00** Peta Mitchell*, University of Queensland, *Geocriticism, interdisciplinarity, and (re)mediated geographies: A Cultural Atlas of Australia.*
- 1:20** Romola Sanyal*, Newcastle University, *The Rumour of the Third World: Media, Tourism and Development in Lebanon and India.*
- 1:40** Stefan Zimmermann*, Johannes Gutenberg University Mainz; Torsten Wissmann*, Johannes Gutenberg-University, *From Hear to There. Sound and the Cognitive Construction of World in Popular Audioplays..*
- 2:00** Katharine Meehan*, University of Oregon; Sallie A Marston, University of Arizona, *"All the pieces matter".*
- 2434. LiDAR Applications in Forestry (Section A) (Sponsored by Remote Sensing Specialty Group)**
Room: 3A - Washington State Convention Center, Level 3
(Paper Session)
ORGANIZER(S): L. Monika Moskal, University of Washington
CHAIR(S): Akira Kato
12:40 Akira Kato*, Graduate School of Horticulture; Tatsuaki Kobayashi, Graduate School of Horticulture, Chiba University, Japan; L.Monika Moskal, College of Environment, School of Forest Resources, University of Washington, *Evaluating ecosystem services of urban forest using LiDAR.*
- 1:00** Jeffrey Richardson*, University of Washington; L. Monika Moskal, University of Washington, *Vegetation Sampling with Terrestrial LiDAR.*
- 1:20** Nicholas R Vaughn*, School of Forest Resources, University of Washington; L. Monika Moskal, PhD, School of Forest Resources, University of Washington, *Decomposing Waveform Lidar for the Classification of Tree Species.*
- 1:40** Guang Zheng*, University of Washington; L. Monika Moskal, PhD, University of Washington, *Combining Computational Geometry and Terrestrial Laser Scanner for Quantifying Leaf Area Index and Canopy Structure at Forest Plot Level.*
- 2:00** David Stephens*, University of Washington; L. Monika Moskal, University of Washington, *Developing Forest Height Growth Indices from Multi-Temporal Small-Footprint Aerial LiDAR.*
- 2435. Tribal Rivers as Confluences of Environmental and Cultural Restoration (Sponsored by Geomorphology Specialty Group, Water Resources Specialty Group, Indigenous Peoples Specialty Group)**
Room: 3B - Washington State Convention Center, Level 3
(Paper Session)
ORGANIZER(S): Michael L. Hughes, Klamath Tribes Research Station; Tracy L. Fuentes, US Geological Survey
CHAIR(S): Michael L. Hughes, Klamath Tribes Research Station
12:40 Karen Campbell*, National Center for Earth-surface Dynamics, *Experiments on Rivers: Dams, Dam Removal and Public Education.*
- 1:00** Patricia McDowell*, University of Oregon, *Monitoring river restoration for the Warm Springs Tribes on the Middle Fork John Day River, northeastern Oregon.*
- 1:20** Heather Allgood*, USGS Western Ecological Research Center, Vallejo, CA, USA; Kelley Turner, USGS Western Ecological Research Center, Vallejo, CA, USA; Isa Woo, USGS Western Ecological Research Center, Vallejo, CA, USA; John Y Takekawa, USGS Western Ecological Research Center, Vallejo, CA, USA; Christopher Ellings, Nisqually Indian Tribe Natural Resources, Olympia, WA, USA; Florian Leischner, Nisqually Indian Tribe Natural Resources,

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Olympia, WA, USA; Jeanette Dorner, Nisqually Indian Tribe Natural Resources, Olympia, WA, USA; Eric Grossman, USGS Pacific Science Center, Santa Cruz, CA, USA; Jesse Barham, Nisqually National Wildlife Refuge, Olympia, CA, USA; Jean Takekawa, Nisqually National Wildlife Refuge, Olympia, CA, USA, *Nisqually Tidal Marsh Restoration*.

1:40 Viv C Sinnamon*, Kowanyama Aboriginal Land and Natural Resources Management Office, *Aboriginal Watershed Management Programs in Northern Australia: An Example from the Kowanyama Community in the Mitchell River Delta*.

2:00 Seth White, PhD*, Columbia River Inter-Tribal Fish Commission; Casey Justice, MS, Columbia River Inter-Tribal Fish Commission; Dale McCullough, Columbia River Inter-Tribal Fish Commission; Phil Roger, PhD, Columbia River Inter-Tribal Fish Commission, *Storytelling and Structural Equations Modeling for Linked Watershed Processes: Common Ground for Indigenous Perspectives and Western Science*.

2436. Remote Sensing Applications in Coastal and Wetlands (I) (Sponsored by Remote Sensing Specialty Group)

Room: 201 - Washington State Convention Center, Level 2 (Paper Session)

ORGANIZER(S): Ruiliang Pu, University of South Florida; Qian Yu, University of Massachusetts

CHAIR(S): Ruiliang Pu, University of South Florida

12:40 John F Weishampel*, University of Central Florida; Marouane Temimi, NOAA-CREST / The City University of New York; Naira Chaouch, NOAA-CREST / The City University of New York; Scott C Hagen, University of Central Florida; Stephen Medeiros, University of Central Florida; Jesse Feyen, NOAA - Coast Survey Development Laboratory; Yuji Funakoshi, University Corporation for Atmospheric Research; Reza Khanbilvardi, NOAA-CREST / The City University of New York; Frank Aikman III, NOAA - Coast Survey Development Laboratory; Pedro Restrepo, NOAA - National Weather Service; Dave Reed, NOAA - National Weather Service; David Welch, NOAA - National Weather Service, *Use of SAR for detecting inundation in the northern Gulf of Mexico*.

1:00 Ruiliang Pu, PhD*, University of South Florida; Susan Bell, PhD, University of South Florida; Kelli H. Levy, Pinellas County Department of Environment Management; Cynthia Meyer, University of South Florida; Lesley Baggett, PhD, University of South Florida; Yongchao Zhang, PhD, University of South Florida; Melissa Harrison, Pinellas County Department of Environment Management, *Mapping and Assessing Seagrass Habitats Using Satellite Imagery*.

1:20 Yongchao Zhao*, University of South Florida; Ruiliang Pu, University of South Florida; Susan Bell, University of South Florida; Kelli Levy, Pinellas County Department of Environment Management; Lesley Baggett, University of South Florida; Cynthia Meyer, Pinellas County Department of Environment Management; Melissa Harrison, Pinellas County Department of Environment Management, *Improving Seagrass Classification from Hyperion Images Optimized by a Cross Track Illumination Correction Algorithm and an Adaptive Filter*.

1:40 Deepak R Mishra, PhD*, Mississippi State University; Hyun J Cho, PhD, Jackson State University; Shuvankar Ghosh, Mississippi State University; Philemon Kirui, Jackson State University; Amelia Fox, Mississippi State University; Paul Merani, University of Nebraska-

Lincoln; Christopher Downs, Mississippi State University; Nick Jackson, Jackson State University, *Impact of the Gulf of Mexico Oil Spill on the Health and Productivity of Louisiana Salt Marshes*.

2:00 Dzingirai Murambadoro*, University of Missouri-Kansas City; Wei Ji, University of Missouri-Kansas City, *Satellite Detection of Urban Wetland Change: Scale Effects*.

2438. Polar Geography 3: Humans in the Arctic (Sponsored by Russian, Central Eurasian, and East European Specialty Group)

Room: 203 - Washington State Convention Center, Level 2 (Paper Session)

ORGANIZER(S): Timothy Edmund Heleniak, University of Maryland; Andrey N. Petrov, University of Northern Iowa

CHAIR(S): Mark Carper

12:40 Timothy Edmund Heleniak*, University of Maryland, *The Changing Gender Composition of the Russian North*.

1:00 Vera V. Kuklina*, Institute of Geography SB RAS, *Perception of Homeland by Indigenous Peoples of the North in Russian Cities*.

1:20 Peter P Schweitzer*, University of Alaska Fairbanks; Tobias Holzlehner, University of Alaska Fairbanks; Beth Mikow, University of Alaska Fairbanks, *Relocation Experiences across Political Systems: A Comparative Perspective on Resettlements in Alaska and Chukotka*.

1:40 Andrey N. Petrov*, University of Northern Iowa, *Arctic's Got Talent? Exploring Creative Capital for Economic Development in the Arctic*.

Discussant(s): Peter Craumer, Florida International University

2439. Climate change and security III: Geopolitics, States and Markets

Room: 204 - Washington State Convention Center, Level 2 (Paper Session)

ORGANIZER(S): Andrew Baldwin, Durham University; Emily Gilbert, University of Toronto

CHAIR(S): Emily Gilbert, University of Toronto

12:40 Berit Kristoffersen*, University of Tromsø, *The oil industry and the climate-energy security nexus*.

12:55 Tim Brown*, School of Geography, Queen Mary University of London; Sarah Wakefield, Department of Geography, University of Toronto, *Securitizing food: contemporary food security discourse, environmental security and global climate change*.

1:10 Benedikt Korf*, University of Zurich, *The imaginative geographies of climate wars*.

1:25 Demian Hommel*, University of Oregon Dept of Geography, *Climate Change, Development and Security in Asia's Last Frontier: possibilities and peril in the Greater Mekong Subregion*.

Discussant(s): Andrew Baldwin, Durham University

2440. New Immigration Destinations in the U.S. III: Local Immigration Enforcement (Sponsored by Political Geography Specialty Group, Urban Geography Specialty Group, Cultural Geography Specialty Group)

Room: 205 - Washington State Convention Center, Level 2 (Paper Session)

ORGANIZER(S): Monica Varsanyi, City University of New York; Lise Nelson, University of Oregon

CHAIR(S): Jill Lindsey Harrison, University of Wisconsin-Madison

12:40 Helga Leitner*, University of Minnesota - Minneapolis; Chris Strunk, University of Minnesota, Minneapolis; Kyle Walker, University of Minnesota, Minneapolis, *Secure Communities: The Politics of Local*

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- Immigration Enforcement and Belonging.*
1:00 Mathew Coleman*, The Ohio State University, *La migración policia: state power and immigrant insecurity in the US South.*
1:20 Austin Kocher*, The Ohio State University, *Inside the Black Box: The Nomosphere of New Immigration Policing and Deportation.*
1:40 Monica W Varsanyi*, City University of New York; Paul G. Lewis, Arizona State University; Doris Marie Provine, Arizona State University; Scott Decker, Arizona State University, *New Destinations, Partisanship, or Something Else? Explaining Immigration Enforcement Policies and Practices at the Local Scale.*
 Discussant(s): Steve Herbert, University of Washington
- 2441. Developing an Ecosocialist Politics of Technology: Panel Discussion (Sponsored by Socialist and Critical Geography Specialty Group)**
 Room: 206 - Washington State Convention Center, Level 2
 (Panel Session)
 ORGANIZER(S): Salvatore Engel-DiMauro, SUNY New Paltz; David Correia, University Of New Mexico
 CHAIR(S): David Correia, University Of New Mexico
 Discussant(s): Brent McCusker, West Virginia University
 Panelists: Kathryn Furlong, Université de Montréal; Jacque (Jody) L. Emel, Clark University; Salvatore Engel-DiMauro, SUNY New Paltz; Jon Kosek
- 2442. Sensational Marxisms: Towards a Communism of the Senses I**
 Room: 211 - Washington State Convention Center, Level 2
 (Paper Session)
 ORGANIZER(S): Alex Loftus, Royal Holloway, University of London; Erik Swyngedouw, University of Manchester
 CHAIR(S): Erik Swyngedouw, University of Manchester
12:40 Kanishka Goonewardena*, University of Toronto, *Aesthetics and Politics: Marx, Benjamin, Rancière.*
12:55 Ashley Dawkins*, Royal Holloway, University of London, *The Situationist International, Ranciere, and the Creative Practices of Urban Interventions.*
1:10 Ivan Arenas*, UC Berkeley, *Rearticulating the Social: The Politics and Practices of Oaxaca's Art of Protest.*
1:25 Geraldine J. Pratt*, University Of British Columbia, *Testimonial Theatre and a Politics of Possibility.*
1:40 Alex Loftus*, Royal Holloway, University of London, *Common Sense.*
 Introducer: Erik Swyngedouw
 Discussant(s): Andy Merrifield, none
- 2443. National and regional trends in the distribution of KIBS (Sponsored by Economic Geography Specialty Group)**
 Room: 212 - Washington State Convention Center, Level 2
 (Paper Session)
 ORGANIZER(S): Helen Lawton Smith, Birkbeck University of London; Peter A. Wood, University College London
 CHAIR(S): Helen Lawton Smith, Birkbeck University of London
 Introducer: Peter A. Wood
12:50 Maja Savic*, Birkbeck College, *Innovation, knowledge sourcing and location decisions of Knowledge Intensive Business Service (KIBS) SMEs in periphery.*
1:10 Wouter Jacobs*, Utrecht University; Oedzge, Atzema, Utrecht University, *Knowledge Intensive Business Services and the interface between global pipelines and local buzz. The case of Management Consultants and Executive Recruitment Agencies.*
1:30 Richard Shearmur*, INRS-UCS, Université du Québec, *Is there a geography of intra-metropolitan innovation: an exploratory study of KIBS.*
 Discussant(s): Andrew Jones, Birkbeck, University Of London
- 2444. Themes in the Geography of Health: Landscapes and Disparities (Sponsored by Population Specialty Group, Health and Medical Geography Specialty Group, Ethnic Geography Specialty Group)**
 Room: 213 - Washington State Convention Center, Level 2
 (Paper Session)
 ORGANIZER(S): Lawrence E. Estaville, Texas State University
 CHAIR(S): Lawrence E. Estaville, Texas State University
12:40 Kerstin Hermes*, Macquarie University, *A Neighborhood Level Analysis of Ethnic Residential Segregation and Health.*
1:00 Kyle Hirvela*, University of South Florida, *Park Access and Distributional Inequities in Pinellas County, Florida.*
1:20 Nikki A. Williams*, Texas State University-San Marcos, *Student Stress Exposure: Landscapes of Authoritative Constraint & Perceived Personal Shortcomings.*
1:40 Neng Wan*, Texas State University; F. Benjamin Zhan, Texas State University-San Marcos, *Disparities of Colorectal Cancer Stage at Diagnosis in Texas, 1996-2003.*
2:00 Lawrence E. Estaville*, Texas State University; Kristine Egan, City of San Antonio, TX, *Texas Cancer Maps: Ethnic Health Disparities.*
- 2445. Tribute to Robin Davidson-Arnott I: Aeolian Transport (Sponsored by Coastal and Marine Specialty Group, Geomorphology Specialty Group)**
 Room: 214 - Washington State Convention Center, Level 2
 (Paper Session)
 ORGANIZER(S): Chris Houser, Texas A&M University; Jean Taylor Ellis, University of South Carolina
 CHAIR(S): Chris Houser, Texas A&M University
12:40 Robin Davidson-Arnott, Professor Emeritus*, Department of Geography, University of Guelph; Bernard O Bauer, Professor, University of British Columbia Oakanagan; Ian Walker, Associate Professor, University of Victoria; Patrick Hesp, Professor, Louisiana State University; Jeff Ollerhead, Professor, Mount Allison University, *Instantaneous Sand Transport Across the Stoss Slope of a Vegetated Foredune.*
1:00 Bernard Bauer,*, University of British Columbia - Okanagan; Robin Davidson Arnott, University of Guelph; Ian Walker, University of Victoria; Jeff Ollerhead, Mount Allison University; Patrick Hesp, Louisiana State University, *Threshold conditions for aeolian transport across a beach-dune system under veering winds: Greenwich Beach, Prince Edward Island, Canada.*
1:20 Jean Taylor Ellis*, University of South Carolina; Douglas Joel Sherman, Texas A&M University; Bailiang Li, Texas A&M University; Eugene J Farrell, Texas A&M University, *Recalibrating Aeolian Sand Transport Models.*
1:40 Steven L. Namikas*, Louisiana State University; Brandon Edwards, Louisiana State University; Phillip Schmutz, Louisiana State University; Yuanda Zhu, Louisiana State University, *Measurement and Modeling of Beach Surface Moisture: Progress (1995-2010) and Future Directions.*
2:00 William G. Nickling*, University of Guelph; Jack A Gillies, Division of Atmospheric Sciences, Desert Research Institute; J Trant, Wind Erosion Laboratory, Department of Geography, University of Guelph, *Field Measurements of PM10 Dust Emissions, Williston Reservoir British Columbia, Canada.*

WEDNESDAY, APRIL 13 • 12:40 PM - 2:20 PM • 2400**2446. The Water - Energy Nexus (Sponsored by Water Resources Specialty Group, Energy and Environment Specialty Group)**

Room: 2A - Washington State Convention Center, Level 2
(Paper Session)

ORGANIZER(S): Christopher Scott, University of Arizona;
Joseph Hoover, University of Denver

CHAIR(S): Christopher Scott, University of Arizona

12:40 Laura J. Stroup*, Texas State University; Michael Finewood, Old Dominion University, *A Political Ecology of Hydraulic Fracturing for Natural Gas in Northeastern Pennsylvania's Marcellus Shale*.

1:00 Hisham Zerriffi*, Liu Institute for Global Issues, University of British Columbia; Raul Pacheco-Vega, Department of Political Science, University of British Columbia, *The faces of Janus: Scrutinizing modern conceptualizations of water poverty and energy poverty*.

1:20 Siree Diana Allers*, University of Texas at Austin, *Nor Any Drop to Drink: An Analysis of the Jordan Red Sea Project and Reconciling Environmental Concerns with the Human Right to Water*.

1:40 Rolf Sternberg*, Montclair State University, *Hydro-energy's Growing Role in the Global Energy Matrix*.

2:00 Susanna Eden, University of Arizona; Christopher A. Scott*, University of Arizona; Melissa Lambertson, University of Arizona; Sharon Megdal, University of Arizona, *Energy Demand and Displaced Environmental Impacts of Long-Distance Water Conveyance: The Central Arizona Project's Water-Energy Nexus*.

2447. Water Resources

Room: 2B - Washington State Convention Center, Level 2
(Illustrated Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Jessica Hodal

12:40 Alice L. Jones, Professor, Geography & Geology*, Eastern Kentucky University; James F. Fox, Asst. Professor, Civil Engineering, University of Kentucky; Melinda S. Wilder, Professor, Curriculum & Instruction, Eastern Kentucky University, *Development of the "Southern Appalachian Experimental Watershed": A geographically intensive approach to Coalfield Ecosystem Health*.

12:50 Harry A. Katz*, University of Denver - Department of Geography; J. Michael Daniels, University of Denver - Department of Geography; Sandra E. Ryan, USDA Forest Service - Rocky Mountain Research Station, *Gully Erosion Along Pikes Peak Highway*.

1:00 Cait McCann*, University of Texas at Austin, Clark University HERO Fellow 2010; Daniel Runfola, Ph.D. student, Clark University, *Predicting Peak Runoff in Suburban Massachusetts*.

1:10 Abigail Kaminski*, Clark University, *Why do we have a lawn?: Making suburban landscape research child-friendly*.

1:20 Christine McMichael, Ph.D.*, Morehead State University; David Smith, Ph.D., Morehead State University; Robert Johnson, Ph.D. Candidate, University of Louisville, *Landscape Impacts on Stream Water Quality in Central Appalachia at Three Spatial Scales*.

1:30 Jessica Hodal*, Department of Geography, Stetson University, *Spatial Distribution of the Effects of Anthropogenic Disturbances on Water Quality and Nitrogen in Southern Appalachian Streams*.

1:40 Jonathan Fleming*, Mississippi State University; John Madsen, Ph.D., Geosystems Research Institute, Mississippi State University; Eric Dibble, Ph.D., Department of Wildlife, Fisheries and Aquaculture,

Mississippi State University, *Conceptual Model and Deductive GIS Methodology to Identify Suitable Macrophyte Habitat*.

2450. Hazards, Vulnerability, and Response

Room: Boren - Sheraton Hotel, Union Tower, Fourth Floor
(Paper Session)

ORGANIZER(S): Laura Kathryn Siebeneck, University of Utah

CHAIR(S): Laura Kathryn Siebeneck, University of Utah
12:40 Chongming Wang*, The Pennsylvania State University, *Trapped in Place: The Vulnerability of the Elderly to Hurricane Hazards in Sarasota, Florida*.

1:00 Julie H Hernandez, Research Faculty*, Tulane University, *The power of maps. Uses of cartographic tools in post disaster recovery contexts: New Orleans case study*.

1:20 Reginald S. Archer*, University of California Santa Barbara, *Katrina took the house, car, wiped me out and we weren't even married! Five years later I'm still struggling to recover in New Orleans..*

1:40 Lisa Keys-Mathews*, University of North Alabama, *A Temporal Analysis of Crime and Hurricane Wilma in Miami, 2004-2006*.

2:00 Laura Kathryn Siebeneck*, University of North Texas, *Examining Risk Perception During the Evacuation and Return-Entry Process*.

2451. Scalar Geographies of Moral Regulation I: (Sponsored by Political Geography Specialty Group, Sexuality and Space Specialty Group)

Room: Columbia - Sheraton Hotel, Union Tower, Fourth Floor
(Paper Session)

ORGANIZER(S): Michael P. Brown, University of Washington; Stephen Legg, University of Nottingham

CHAIR(S): Stephen Legg, University of Nottingham

12:40 David Beckingham*, University of Cambridge, *Child protection and the legal geographies of the Victorian home*.

1:00 Graham Mooney, PhD*, Johns Hopkins University, *The Consumption of Self-Help: The Domestication of Tuberculosis Surveillance and 'Rules for Living' in Edwardian England*.

1:20 Charlotte Jones*, University College London, *The Turkish Bath as an Institution of Moral and Hygienic Reform*.

1:40 Ruth Craggs*, St Mary's University College, *Debating the moral geographies of Commonwealth hospitality: the case of Britain's Commonwealth Immigration Act (1962)*.

2452. Seeing the Park in the Trees: Historical Approaches to Parks and Protected Areas (Sponsored by Recreation, Tourism, and Sport Specialty Group, Cultural Geography Specialty Group, Historical Geography Specialty Group)

Room: Jefferson - Sheraton Hotel, Union Tower, Fourth Floor
(Paper Session)

ORGANIZER(S): Terence Young, California State Polytechnic University-Pomona; Yolonda Youngs, Oklahoma State University

CHAIR(S): Terence Young, California State Polytechnic University-Pomona

12:40 Craig Colten*, Louisiana State University, *Protecting the Ideal: Water and Recreation in the American South*.

1:00 Peter Blodgett, Ph.D.*, Huntington Library, *"Outdoors, Indoors and Four Doors: Automobility and the Evolving Character of Outdoor Recreation 1920-1941"*.

1:20 Yolonda Youngs*, Oklahoma State University, *Embellishing More than Color: Curt Teich Postcards of the Grand Canyon*.

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- 1:40** Judith L. Meyer, PhD*, Missouri State University, *Yellowstone National Park and the "Yellowstone Model"*.
- 2:00** Terence Young*, California State Polytechnic University-Pomona; Lary M. Dilsaver*, University Of South Alabama, *'I Am Especially Interested in Yellowstone and Glacier': Diffusing America's National Park Management to Canada and the World*.
- 2454. Performing provenance in contemporary food geographies 1**
Room: *Pike - Sheraton Hotel, Union Tower, Fourth Floor*
 (Paper Session)
 ORGANIZER(S): Peter A. Jackson, University of Sheffield; Richard Le Heron, University of Auckland
 CHAIR(S): Peter A. Jackson, University of Sheffield
12:40 Peter Jackson*, University of Sheffield; Qian Gong, University of Sheffield, *Consumer Anxieties about Provenance and Food Safety in China*.
1:00 ANGELA MEAH*, University of Sheffield, *What does provenance bring to the table? Why it sometimes matters where foods come from in domestic provisioning*.
1:20 Benjamin Coles, PhD*, University of Sheffield, *Chicken Matters (but not always): provenance and consuming the right kind of rural*.
 Discussant(s): Alison Blay-Palmer, Wilfrid Laurier University
- 2456. Land Use - Flora, Fauna, and Human**
Room: *Seneca - Sheraton Hotel, Union Tower, Fourth Floor*
 (Interactive Short Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Mark Patterson, Kennesaw State
12:40 Shannon Randolph*, Stanford University, *Central African Wildlife Discourses and Motives*.
12:45 Kristen Conway-Gomez, Ph.D.*, California State Polytechnic University, Pomona, *Accounting for turtle abundance with ecological & social science methods*.
12:50 Elizabeth Esekong Andrew-Essien*, University of Calabar; Idoko Marcus Aja, University of Calabar; Bisong Francis Ebuta, University of Calabar, *Conserving Biodiversity in Geo-political Spaces at National and Sub-national Levels in Nigeria*.
12:55 Celine Lim*, Middlebury College, *Local Forest Management within a Framework of Scale*.
1:00 Kevin Devine*, University of Kentucky; Songlin Fei, Dr., University of Kentucky, *The Influence of Dispersal Mechanisms and Disturbance Thresholds on Invasive Exotic Plant Colonization in a Harvested Hardwood Forest in Eastern Kentucky*.
1:05 Christopher Marques*, The World Bank; Donald Larson, The World Bank; Siobhan Murray, The World Bank; Sean Sylvia, The World Bank, *Looking at the Relationship Between Geographic Variables and Crop Production in Sub-Saharan Africa*.
1:10 Benedita Alexandre Milheiro Santos*, Department of Physical and Regional Geography & Landscape Research and Mediterranean Mountain Palaeoenvironments, University of Barcelona; Antonio Gomez-Ortiz, Department of Physical and Regional Geography & Landscape Research and Mediterranean Mountain Palaeoenvironments, University of Barcelona; Dorothy K. Hall, Cryospheric Sciences Branch, Goddard Space Flight Center - NASA, Greenbelt, MD; Ferran Salvador-Franch, Department of Physical and Regional Geography & Landscape Research and Mediterranean Mountain Palaeoenvironments, University of Barcelona; Montserrat Salva-Catarineu, Department of Physical and Regional Geography & Landscape Research and Mediterranean Mountain Palaeoenvironments, University of Barcelona, *Land Surface Temperature in Sierra Nevada. Comparison of Two Atmospheric Corrections for the Thermal Band of Landsat 7 Imagery*.
1:15 Jia Lu*, Valdosta State University, *Modeling Land-Use Patterns - A Case Study of the Columbus Metropolitan Area*.
1:20 Mark Patterson*, Kennesaw State; Nancy Hoalst-Pullen, Ph.D., Kennesaw State University, *Dynamic Equifinality as a Conceptual Framework for Understanding Land Cover Change*.
1:25 Yu Sun*, University of Cincinnati, *Analyzing future watershed hydrology in Las Vegas Wash and Lake Mead*.
- 2458. Perceptions, Vulnerability, and Recovery (Sponsored by Hazards Specialty Group)**
Room: *University - Sheraton Hotel, Union Tower, Fourth Floor*
 (Paper Session)
 ORGANIZER(S): Mathew Schmidlein, California State University, Sacramento
 CHAIR(S): Mathew Schmidlein, California State University, Sacramento
12:40 Christina A Longo, MA Student*, Kent State University, *Individual Risk Perceptions of Flooding: Evaluating the Associations between Experience, Perceptions, and Preparedness*.
1:00 Chris S. Renschler*, LESAM / NCGIA / MCEER - University at Buffalo (SUNY); Jan van Aardt, Center for Imaging Science - Rochester Institute of Technology; Ronald Eguchi, ImageCat, Inc, *Information Products Laboratory for Emergency Response (IPLER): Responding to the Haiti Earthquake*.
1:20 Deborah Thomas*, University of Colorado Denver; Renee A. King, University of Colorado Denver; Sacha Montas, University of Michigan; Pierre Minn, McGill University; Danielle Varda, University of Colorado Denver; Comilla Sasson, University of Colorado Denver; Sobia N. Ansari, Rush University, *Local Health Capacities in Northern Haiti Response and Recovery*.
1:40 Ronald L Schumann, III*, University of South Carolina, *Long-Term Recovery Trajectories of Local Tourism After Hurricanes*.
2:00 Ronald Hagelman, PhD*, Texas State University, *A Geography of Disaster Reconstruction: The Case of Greensburg, KS*.
- 2459. Changing Rural Geographies in the United States I (Sponsored by Rural Geography Specialty Group, Population Specialty Group)**
Room: *Virginia - Sheraton Hotel, Union Tower, Fourth Floor*
 (Paper Session)
 ORGANIZER(S): John Cromartie, Economic Research Service, USDA; Alexander C. Vias, University Of Connecticut
 CHAIR(S): Peter B. Nelson, Middlebury College
12:40 Alexander C. Vias*, University Of Connecticut, *Micropolitan Areas and (Counter)Urbanization Processes in the US*.
1:00 John Cromartie*, Economic Research Service, USDA; David McGranahan, Economic Research Service, USDA; Timothy Wojan, Economic Research Service, USDA, *High out-migration in nonmetro America: Is it economic or geographic disadvantage?*.
1:20 Matthew W. Foulkes*, University Of Missouri, *Hardship in the heartland: Changes in the characteristics of food pantry clients in central Missouri, 2005-2010*.

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1:40 Christiane Von Reichert*, University of Montana; John Cromartie, Economic Research Service, USDA; Ryan Arthun, The University of Montana, *Exploring the Impacts of Returning Migrants to Rural Communities..*

2:00 Annabel Kirschner, Ph.D.*, WSU Thurston County Extension, *Metro-Nonmetro Net Migration During the Decade of the Naughts.*

2461. Perceptive Minds and Affective Bodies in Urban Environment (Sponsored by Qualitative Research Specialty Group, Urban Geography Specialty Group, Environmental Perception and Behavioral Geography Specialty Group)

Room: Ballard - Sheraton Hotel, Pike Tower, Third Floor (Paper Session)

ORGANIZER(S): Nikita A. Kharlamov, Clark University; Daniel Galland, Aalborg University

CHAIR(S): Daniel Galland, Aalborg University

12:40 Victoria Henshaw*, The University of Sheffield; Trevor J Cox, The University of Salford; Andrew Clark, The University of Salford, *Odor Related Experience and Perception in Contemporary Urban Environments.*

12:57 Nikita A. Kharlamov*, Clark University, *Venturing Outside the Campus: Experiencing the City by Walking Through It.*

1:12 Birgitte Marling Kiib*, Aalborg University; Birgitte Marling Kiib, Aalborg University, *Performative Urban Design and Behaviour in Public Places.*

1:29 Hans Skaarup Kiib, Professor*, Aalborg University, *Détourned City Design as tool for Aesthetic Urban living.*

1:46 Sven Hroar Klempe, Dr. art. *, NTNU/Clark University, *The role of music venues in building up public spaces in urban life.*

2:03 Basak Tanulku*, *Gated Communities as Conflictual Spaces: Turkish Life in An American House?.*

2464. Representing and Imagining the City - I (Sponsored by Landscape Specialty Group, Urban Geography Specialty Group)

Room: Fremont - Sheraton Hotel, Union Tower, Third Floor (Paper Session)

ORGANIZER(S): Jun-Jei Nu, University of Wisconsin - Madison; Nate Millington, University of Kentucky Geography

CHAIR(S): Nate Millington, University of Kentucky Geography

12:40 Nate Millington*, University of Kentucky Geography, *Post-industrial Imaginaries: Nature, Representation, and Ruin in Detroit, Michigan.*

1:00 Laura Cesafsky*, University of Minnesota, *We're not environmental; we're green: Chicago's Millennium Park and urban ecologization as spectacle.*

1:20 Jun-Jei (Jason) Nu*, University of Wisconsin - Madison, *Representing the global city in the DDB/Financial Times "Cityscape" advertisement campaign.*

1:40 Regan Koch*, University College London; Alan Latham, University College London, *Representations at work: managing, producing and consuming the urban.*

Discussant(s): Eugene McCann, Simon Fraser University

2465. China in Transition I: Globalization, Cities, and Regional Development (Sponsored by China Specialty Group, Regional Development and Planning Specialty Group, Asian Geography Specialty Group)

Room: Greenwood - Sheraton Hotel, Union Tower, Third Floor (Paper Session)

ORGANIZER(S): Yehua Dennis Wei, University of Utah

CHAIR(S): Yehua Dennis Wei, University of Utah

12:40 Yehua Dennis Wei*, University of Utah, *China in Transition: Theoretical and Methodological Issues.*

1:00 Jun Zhang*, National University of Singapore, *Boundary-Crossing Learning and the Rise of Venture Capitalists in China.*

1:20 Yingru Li*, University of Utah; Wei Dennis Yehua, Dr., University of Utah, *Health care, mortality, and economic transition in China.*

1:40 Haifeng LIAO*, University of Utah; Yehua Dennis Wei, University of Utah, *Geographical Spillover, Scale, and Regional Inequality in Provincial China: A Case Study of Guangdong.*

2:00 Yifei Sun, Dr. *, California State University, Northridge; Yu Zhou, Dr., Department of Geography and Geology, Vassar College, *Innovation and Inter-firm Technological Networking: Evidence from China's Information Communication Technology Industry.*

2466. Engaging Communities: Participants, Partnerships, and Allies

Room: Issaquah A - Sheraton Hotel, Union Tower, Third Floor

(Panel Session)

ORGANIZER(S): Anthony Falit-Baiamonte

CHAIR(S): Anthony Falit-Baiamonte

Introducer: Anthony Falit-Baiamonte

Introducer: Pierpaolo Mudu

Panelists: Linda Ishem, University of Washington Tacoma; Anthony Falit-Baiamonte; Matthew James Kelley, University of Washington, Tacoma

2467. Critical GIS: Research and Ethics

Room: Issaquah B - Sheraton Hotel, Union Tower, Third Floor

(Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Falguni Mukherjee, Sam Houston State University

12:40 Eugene Martin*, University of Wisconsin Stevens Point, *GIS knowledge work.*

1:00 Muthatha Ramanathan*, University of Washington, *Spatial Translations in a Rural Development Landscape.*

1:20 Joshua S Campbell*, Humanitarian Information Unit (HIU), State Department, *GIS 2.0 and 21st Century Statecraft.*

1:40 Geoffrey Demarest*, University of Kansas, *Geographic Field Research Ethics and Government Sponsorship.*

2:00 Falguni Mukherjee, Assistant Professor*, Sam Houston State University, *omplexities in GIS Construction and Spatial Knowledge Production in Dane County, Wisconsin.*

2468. Taking It To The Streets: Performers and Vendors on City Streets (Sponsored by Urban Geography Specialty Group, Transportation Geography Specialty Group)

Room: Kirkland - Sheraton Hotel, Union Tower, Third Floor

(Paper Session)

ORGANIZER(S): Julie Cidell, University of Illinois

CHAIR(S): Ryan Devlin, University of California-Berkeley

12:40 Hsiao-Wei Chen*, Department of Geography, National Taiwan University, *Everyday musical spaces: street music in Taipei.*

1:00 Ryan Devlin*, John Jay College of Criminal Justice, *Fighting for a Piece of the Promise: Street Vendor Politics and the Struggle for the Sidewalks of New York.*

Discussant(s): Ilse Helbrecht, Humboldt University Berlin

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- 2469. Perspectives in Maritime Geographyp 1 - Networks (Sponsored by Transportation Geography Specialty Group)**
Room: *Leschi - Sheraton Hotel, Union Tower, Third Floor*
(Paper Session)
ORGANIZER(S): Gordon Wilmsmeier, Transport Research Institute; Adolf Ng
CHAIR(S): Gordon Wilmsmeier, Transport Research Institute
12:40 Jason Monios*, Edinburgh Napier University; Gordon Wilmsmeier, Edinburgh Napier University, *Port Centric Logistics, Dryports and "Offshore Logistics Hubs" - Strategies to Overcome Double Peripherality?*
1:00 Peter V. Hall*, Simon Fraser University; Wouter Jacobs, Utrecht University, *Why are maritime ports (still) urban, and why should policy makers care?*
1:20 Theo E. Notteboom*, ITMMA - University of Antwerp; Jean-Paul Rodrigue, Department of Global Studies & Geography, Hofstra University, *The geography of global terminal operators: rent-seeking through location choice and network structures.*
1:40 Elisabeth Gouvernal, INRETS, Paris, France; Brian Slack*, Concordia University, Montreal, *Container freight rates and the shaping of global economic space.*
- 2470. Stigmatization of urban quarters: hegemonic discourses and counter-hegemonic strategies (1)**
Room: *Medina - Sheraton Hotel, Union Tower, Third Floor*
(Paper Session)
ORGANIZER(S): Robert Puetz
CHAIR(S): Georg Glasze, Institute of Geography
12:40 Robert Puetz*, Robert Puetz, Goethe-University Frankfurt; Georg Glasze*, University of Erlangen-Nuremberg, *Stigmatization of urban quarters: hegemonic discourses and counter-hegemonic strategies (Introduction).*
1:00 Méline Germes*, University Erlangen Nuremberg, *Discourses of (in-)security and policing: the constitution of large housing estates as dangerous places in Europe.*
1:20 Kathleen J Mee, PhD*, University of Newcastle, *Dropping off the Edge and the Skewed View: Performances from (and outside) the public housing script in Windale, NSW.*
1:40 Ralf Zimmer-Hegmann*, ILS (Germany), *How do integrated neighbourhood development programmes influence an area's image?*
2:00 Nadine Marquardt, Dr.*, Goethe-University Frankfurt; Verena Schreiber*, Goethe-University, *Mothering urban space. The "neighborhood mothers"-project in Berlin-Neukölln.*
- 2471. Title: Preparing the Nation for Change: The science, processes, and products of the 3rd National Climate Assessment (Sponsored by Climate Specialty Group)**
Room: *Metropolitan Ballroom A - Sheraton Hotel, Third Floor*
(Paper Session)
ORGANIZER(S): Katharine Jacobs, Office of Science and Technology Policy
CHAIR(S): Katharine Jacobs, Office of Science and Technology Policy
- 2472. Remote Sensing and GIS for Coastal Research and Management (Sponsored by Geographic Information Science and Systems Specialty Group, Remote Sensing Specialty Group, Coastal and Marine Specialty Group)**
Room: *Metropolitan Ballroom B - Sheraton Hotel, Third Floor*
(Paper Session)
ORGANIZER(S): Thomas Richard Allen, East Carolina University
CHAIR(S): Thomas Richard Allen, East Carolina University
- 12:40** Joanne Nancie Halls*, UNC Wilmington, *An Investigation of Changes in Barrier Islands Using 3D Modeling.*
1:00 Luoheng Han*, Univ of Alabama, *Spectral Characterization of Inland and Coastal Waters: A Comparative Study of Estimating Chlorophyll a Concentration Using Surface Spectral Reflectance.*
1:20 Thomas Crawford*, East Carolina University; Daniel Marcucci, East Carolina University; Andrew Bennett, East Carolina University, *Linkages of Coastal Policy With Patterns of Land Development and Impacts on Vegetation Cover for a Remote Barrier Island in North Carolina, USA.*
1:40 Thomas Richard Allen*, East Carolina University, *Analyzing Sea-Level Rise Morphodynamics Using 3D Geospatial Techniques.*
- 2473. Writing Successfully for the Journal of Geography in Higher Education (Sponsored by International Network for Learning & Teaching Geography in Higher Education (INLT))**
Room: *Queen Anne - Sheraton Hotel, Union Tower, Third Floor*
(Paper Session)
ORGANIZER(S): Derek France, University of Chester; Robert S. Bednarz, Texas A&M University
CHAIR(S): Derek France, University of Chester
Panelists: Pauline Kneale, University of Plymouth; Robert S. Bednarz, Texas A&M University; Derek France, University of Chester; David Higgitt, National University of Singapore
- 2474. For Julie Graham: Developing and Enacting Community Based Research (Sponsored by Geographic Perspectives on Women Specialty Group, Economic Geography Specialty Group)**
Room: *Ravenna - Sheraton Hotel, Union Tower, Third Floor*
(Paper Session)
ORGANIZER(S): Abby Templer, University of Massachusetts Amherst
CHAIR(S): Abby Templer, University of Massachusetts Amherst
Discussant(s): Jenny Cameron, University of Newcastle
Panelists: Abby Templer, University of Massachusetts Amherst; Leo Hwang-Carlos, University of Massachusetts, Amherst; Jacqueline Salmond, University of Kentucky; Robert Snyder, York University; Matt McCourt, University of Maine at Farmington; Crystal Tremblay, University of Victoria
- 2475. Transportation**
Room: *Wallingford - Sheraton Hotel, Union Tower, Third Floor*
(Paper Session)
ORGANIZER(S): Program Committee
CHAIR(S): Cheng Liu, Oak Ridge National Laboratory
12:40 Viktor Kveton*, Charles University in Prague; Miroslav Marada, Charles University in Prague, *Spatial differentiation of car ownership in Czechia and its causations.*
1:00 Risa Patarasuk*, Univeristy of Florida, *Characteristics of Road Network and Land-Cover Change in Lop Buri Province, Thailand 1989-2006.*
1:20 Shinji Shimoura*, *Transportation Vulnerability among Commuters in Suburban Area.*
1:40 Saad N Alhusein*, King Saud University, *Access Modes to King Khaled International Airport, Riyadh. Saudi Arabia.*
2:00 Shih-Chieh Kao, ORNL; Hoe Kyoung Kim, ORNL; Cheng Liu*, Oak Ridge National Laboratory; Xiaohui Cui, ORNL; Budhendra L Bhaduri, ORNL, *A Dependence-Preserving Approach in Synthesizing Housheold Characteristics.*

WEDNESDAY, APRIL 13 • 12:40 PM - 2:20 PM • 2400**2476. Time Geography: Recent Progress and Future Prospects (II) (Sponsored by Geographic Information Science and Systems Specialty Group, Space-Time Symposium, Spatial Analysis and Modeling Specialty Group, Transportation Geography Specialty Group)**

Room: *Aspen Room - Sheraton Hotel, Second Floor* (Paper Session)
 ORGANIZER(S): Shih-Lung Shaw, University of Tennessee;

- Hongbo Yu, Oklahoma State University
 CHAIR(S): Hongbo Yu, Oklahoma State University
12:40 Tetsuo Kobayashi*, Department of Geography, University of Utah; Andrei Ostanin, School of Computing, University of Utah; Harvey J Miller, Department of Geography, University of Utah, *Exploratory visual pattern detection of mobile object data in attribute-time space.*
1:00 Hejun Kang*, University of Idaho, *Social and physical environments of joint participation reported among adults in the American time use survey.*
1:20 Matthias Delafontaine*, Ghent University; Tijs Neutens, Dr., Ghent University; Nico Van de Weghe, Prof. Dr., Ghent University, *Analysing trajectories through rough and obstacle-constrained space-time prisms.*
1:40 Hoe Kyoung Kim*, Oak Ridge National Laboratory; Shin-Chieh Kao, Oak Ridge National Laboratory; Cheng Liu, Oak Ridge National Laboratory; Xiaohui Cui, Oak Ridge National Laboratory; Budhendra L. Bhaduri, Oak Ridge National Laboratory, *Reconstruction of Spatial Distribution of Travelers for Activity-Based Traffic Demand Model Using LandScan USA Data Set.*
2:00 Ling Yin*, The University of Tennessee; Shih-Lung Shaw, The University of Tennessee, *A GIS-based time-geographic approach for exploring relationships between ICT and social networks.*

2477. The Role of Advanced Computational Tools in Visualizing Spatiotemporal Complexity (Sponsored by Space-Time Symposium)

Room: *Cedar Room - Sheraton Hotel, Second Floor* (Paper Session)

- ORGANIZER(S): Space-Time Symposium Organizing Committee
 CHAIR(S): Donna J. Peuquet, Pennsylvania State University
12:40 Charles R. Schmidt, M.S.*, GeoDa Center for Geospatial Analysis and Computation, *A Web-based Prototype for Exploring Space-Time Data.*
1:00 Ming-Hsiang Tsou*, San Diego State University; Li An, San Diego State University, *Visualizing and Analyzing the Spatiotemporal Dynamics of Global Diffusion of Ideas in Cyberspace.*
1:20 Dylan Keon*, Oregon State University; Dawn J. Wright, Oregon State University, *User Interactivity in Time-Series Tsunami Simulation Modeling and Web-Based Visualization.*
1:40 Hyowon Ban*, California State University, Long Beach; Ola Ahlqvist, The Ohio State University, *Geographical Counterpoint: Understanding Choreographic Information Using Spatio-Temporal Analysis and Geovisualization.*
2:00 Donna J. Peuquet*, The Pennsylvania State University, *STempo: An Integrated Statistical and Visual Analysis Environment for Finding Pattern in Complex Space-Time Data.*

2480. VGI/PGI: Volunteered Geographic Information or Proletariat/Participatory GI? (Sponsored by Geographic Information Science and Systems Specialty Group)

Room: *Grand Ballroom B - Sheraton Hotel, Second Floor*
 (Paper Session)

- ORGANIZER(S): Renee Sieber, McGill University
 CHAIR(S): Renee Sieber, McGill University
12:40 Jon Corbett*, University of British Columbia-Okanagan, *The revolution will not be geotagged: exploring the role of the Participatory Geoweb in advocacy and supporting social change..*
1:00 Pamela Robinson, Ph.D, MCIP RPP*, School of Urban and Regional Planning, *VGI in Formal Land Use Planning: Encumbrances on 'Local' Knowledge?.*
1:20 Barbara Poore*, United States Geological Survey, *VGI/PGI: Virtual Community or Bowling Alone?.*
1:40 Nama R Budhathoki*, McGill University; Renee Sieber, McGill University, *GeoWeb from Governance Perspective.*
2:00 Renee Sieber*, McGill University, *Volunteered Geographic Information: motivation or empowerment?.*

2481. Global Youth

Room: *Grand Ballroom C - Sheraton Hotel, Second Floor*
 (Paper Session)

- ORGANIZER(S): Craig Jeffrey, Oxford University
 CHAIR(S): Craig Jeffrey, Oxford University
12:40 Jane Dyson, Dr*, Oxford University, *Child Worship: Children, Performance and Social Reproduction in India.*
1:00 Tatiana A. Thieme, PhD candidate*, University of Cambridge, *Youth, 'hustle economics' and the value of waste in Nairobi's informal settlements.*
1:20 Esther Rootham, DPhil Candidate*, School of Geography and the Environment, University of Oxford, UK, *Intersectional Identities and Colourblind French Republicanism: From "Ethnic Categorisation" Debates to Youth Experiences.*
1:40 Kacy McKinney, PhC*, University of Washington, *"Dudi bandhna is 'children's work' over there or at home": Shifting identities, migration patterns and choices among young people in hybrid Bt cottonseed production in West India.*
 Discussant(s): Craig Jeffrey, Oxford University

2483. Remote Sensing Methods and Approaches 1

Room: *Juniper Room - Sheraton Hotel, Second Floor* (Paper Session)

- ORGANIZER(S): Program Committee
 CHAIR(S): Jung-ho Im, SUNY ESF
12:40 Hai Jin*, University of South Carolina, *A Fine Tuning Procedure for Multi-resolution Image Segmentation.*
1:00 Doug Goodin*, Kansas State University, *Decision Rules for Object-Based Classification.*
1:20 Haixia Liu*, Department of Geography, The Ohio State University, 1036 Derby Hall, 154 North Oval Mall, Columbus, OH 43210-1361, United States; Desheng Liu, Department of Geography, The Ohio State University, 1036 Derby Hall, 154 North Oval Mall, Columbus, OH 43210-1361, United States, *A PIF-based Relative Radiometric Normalization Method for Multi-temporal Remote Sensing Images.*
1:40 Tao Zheng*, Central Michigan University; Shunlin Liang, Ph.D., University of Maryland, College Park, *A Bayesian Approach to Integrate Satellite Estimated Instantaneous Photosynthetically Active Radiation Product for Daily Value Calculation.*
2:00 Jung-ho Im*, SUNY ESF; Jinyoung Rhee, SUNY ESF; Lindi Quackenbush, SUNY ESF, *Remote Sensing of Porous Pavement: An Impervious Surface Mapping Perspective.*

WEDNESDAY, APRIL 13 • 12:40 PM - 2:20 PM • 2400**2484. Author-Meets-Critics: The Great Urban Transformation: Politics of Land and Property in China (Sponsored by China Specialty Group)**

Room: Madrona Room - Sheraton Hotel, Second Floor (Panel Session)
 ORGANIZER(S): Carolyn Cartier, University of Technology, Sydney
 CHAIR(S): Carolyn Cartier, University of Technology, Sydney
 Panelists: Anne Haila, University of Helsinki; Weidong Liu, Chinese Academy of Sciences; Tim Oakes, University of Colorado; George Lin, University of Hong Kong; You-tien Hsing, University Of California at Berkeley

2486. Integrating Space and Time Through Information and Geospatial Technologies (Sponsored by Space-Time Symposium)

Room: Willow A - Sheraton Hotel, Second Floor (Paper Session)
 ORGANIZER(S): Mei-Po Kwan, Ohio State University
 CHAIR(S): Talia McCray, University of Texas at Austin
12:40 Talia McCray*, University of Texas at Austin, *Linking college students' perceptions of safety to an environmental analysis of safety at bus stops.*
1:00 Xiang Chen*, The Ohio State University; Mei-Po Kwan, The Ohio State University, *The Formation of Choice Set for Multiple Flexible Activities Under Space-Time Constraints.*
1:20 Johnathan Rush*, The Ohio State University; Mei-Po Kwan, PhD, The Ohio State University, *Using Volunteered Geographic Information to Study Population Dynamics.*

1:40 Ate Poorthuis*, University of Amsterdam; Karin Pfeffer, University of Amsterdam, *Studying the Dynamics of Place through Flickr Photographs.*

2:00 Loren Kenda*, The Ohio State University; Mei-Po Kwan, Ph.D., The Ohio State University, *The Association between Tobacco Marketing Strategies, Activity-Travel Behavior, Sociogeographic Context and Smokeless Tobacco Usage in the Appalachian Region of Ohio.*

2487. Ontologies of Place; Names and Language (Sponsored by Space-Time Symposium, Harvard University Center for Geographic Analysis, Association of American Geographers)

Room: Willow B - Sheraton Hotel, Second Floor (Panel Session)
 This session and session 2587 will run continuously
 ORGANIZER(S): Peter Bol, Harvard University
 CHAIR(S): Peter Bol, Harvard University
12:40 Humphrey Southall, University of Portsmouth
1:00 Ruth Mostern, University of California - Merced
1:20 Merrick Berman, China Historical GIS, Harvard Univ

WEDNESDAY, APRIL 13 • 2:40 PM - 4:20 PM • 2500**2503. Geographic Issues in Southeast Asia: Case Studies and Collaborative Projects for Undergraduates (Sponsored by International Network for Learning & Teaching Geography in Higher Education (INLT))**

Room: 603 - Washington State Convention Center, Level 6 (Paper Session)
 ORGANIZER(S): Michael N. Solem, Association of American Geographers
 CHAIR(S): Michael N. Solem, Association of American Geographers
 Introducer: Michael N. Solem
2:45 Tom Narins*, Student, *Where are rising sea levels threatening human and natural environments? - Focus: Southeast Asia.*
3:00 Kim N. Irvine*, Buffalo State College; Firuza Mustafa, University of Malaya; Ross H. Martin, Georgia State University, *Integrated Water Resources Management: An Online Case Study for Southeast Asia.*
3:15 Jackson Tyler Zimmerman, Ph.D.*, Divine Word College, *Collaborative Learning: Exploring National Identity and Globalization.*
3:30 James E. Mills*, SUNY-Oneonta, *Was Population Growth Responsible for Deforestation in the Central Highlands of Vietnam?: A Case Study and Collaborative Activity Produced by the Population and Resources Group from the CGGE Singapore Workshop.*
 Discussant(s): Chew-Hung Chang, Nanyang Technological University

2504. The Frontier Revisited I: A Special Session honoring the work of Dr. David Wishart (Sponsored by Historical Geography Specialty Group)

Room: 604 - Washington State Convention Center, Level 6 (Paper Session)
 ORGANIZER(S): Melvin Arthur Johnson, University of Nebraska-Lincoln
 CHAIR(S): Melvin Arthur Johnson, University of Nebraska-Lincoln
 Introducer: Melvin Arthur Johnson
2:50 Kari Forbes-Boyte*, Dakota State University, *"Prayer Ground of Play Ground: Bear Butte and Tourism.*
3:05 Brad A. Bays, Ph.D.*, Oklahoma State University, *Barns of Western Oklahoma.*
3:20 Darcy L. Boellstorff*, Bridgewater State University; Zaine Venter*, Bridgewater State University, *Geographic information accessibility for improving horticultural-based income generation in the Mzimba district of Malawi.*
3:35 Lawrence Bradley, Ph.D.*, University of Nebraska at Omaha, *Dinosaurs and Indians: Paleontological Resource Dispossession from Sioux Lands.*
 Discussant(s): Karen M. Morin, Bucknell University

WEDNESDAY, APRIL 13 • 2:40 PM - 4:20 PM • 2500

- 2506. Watery Landscapes: Public Perception and Participation in Change**
 Room: 606 - Washington State Convention Center, Level 6
 (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Swetha Peteru, Colgate University
2:40 Kevin Barnett*, The University of Montana; Michael J. Ewald*, The University of Montana, *Estimating the Economic Impact of Dam Removal on Property Values: A Hedonic and Spatial Approach.*
3:00 David Shively*, University of Montana, *Piscatorial Landscapes.*
3:20 Kamal Alsharif*, University of South Florida; Nathan Miller, Environmental Science and Policy Program, Geography Department, University of South Florida, *The Gulf of Mexico Red Snapper Individual Fishing Quota Program Public Perception and Implication.*
3:40 Elvin E. Delgado*, Syracuse University, *Tracing Material Flows: Fossil Fuels, Solar Salt and Fishing Communities in Venezuela.*
4:00 Swetha Peteru*, Miami University, *Achieving a more integrative conservation practice through understanding local knowledge.*

- 2507. Metropolitan Areas: Motors of change and socio-economic development (Sponsored by Economic Geography Specialty Group)**
 Room: 607 - Washington State Convention Center, Level 6
 (Paper Session)
 ORGANIZER(S): Helen Lawton Smith, Birkbeck University of London; Ulrich Hilpert
 CHAIR(S): Christopher Mele, University at Buffalo
2:40 Ulrich Hilpert*, *Metropolitan Areas: Centers of social and economic change and as challenges for pro-active and enabling policies.*
3:00 Helen Lawton Smith*, Birkbeck University of London; Rupert Waters, Buckingham University, *Knowledge-based industries, competitiveness and inclusion: the cases of Oxfordshire and Cambridgeshire.*
3:20 Chris Benner*, University of California Davis; Manuel Pastor, University of Southern California, *Just Growth: Equity and Prosperity for America's Metropolitan Regions.*
3:40 David Wilson*, University Of Illinois; David Wilson, Ph.D., University of Illinois, *Neoliberal-Parasitic Economies and Rust Belt Cities: the Chicago Case.*
4:00 Christopher Mele*, University at Buffalo, *Social Justice and Rust Belt Revitalization.*

- 2511. Urban Geography Plenary Lecture. "Sidewalks, Police Powers, and Public Space: Rethinking the Purification Thesis" (Sponsored by Urban Geography Specialty Group)**
 Room: 611 - Washington State Convention Center, Level 6
 (Paper Session)
 ORGANIZER(S): Robert W. Lake, Rutgers University; Sarah Elwood, University of Washington
 CHAIR(S): Sarah Elwood, University of Washington
 Introducer: Sarah Elwood
 Introducer: Robert W. Lake
2:50 Nicholas Blomley*, Simon Fraser University, *Sidewalks, police powers and 'public space': rethinking the 'purification' thesis.*
 Discussant(s): Nicholas Dahmann, University of Southern California; Deborah G. Martin, Clark University

- 2512. New Voices in Rural Geography #2: International Research (Sponsored by Rural Geography Specialty Group)**
 Room: 612 - Washington State Convention Center, Level 6
 (Paper Session)
 ORGANIZER(S): Dawn M Drake, University of Tennessee
 CHAIR(S): Dawn M Drake, University of Tennessee
2:40 Andrea Marston, MA Candidate*, University of British Columbia, *Certified Equality: Fair Trade Handicrafts in the Age of Mainstreaming.*
3:00 Irma Potocnik Slavic*, University of Ljubljana, *Embeddedness vs. Global Networking: the Case of Slovenian Rural Areas.*
3:20 Deborah Naybor*, University of Buffalo, *"The Best Land is for Them": Women's Agricultural Land Rights in Uganda.*
3:40 Matthew Pritchard*, McGill University, *Land, Power and Peace: Land tenure systems and the formalization agenda in Rwanda.*
4:00 Jing Yang*, M.A. Candidate in Environmental Science and Policy, Clark University, *Moving Towards More Sustainable Agriculture in China: Strengthen Environmental Management of Processing Tomato Industry.*

- 2513. Geographies of Speculation 2 - Time-Space, Capitalism and The Future in Financial Markets (Sponsored by Economic Geography Specialty Group)**
 Room: 613 - Washington State Convention Center, Level 6
 (Paper Session)
 ORGANIZER(S): Christopher Muellerleile, University of Wisconsin, Madison; Tim Heinemann, HafenCity University Hamburg
 CHAIR(S): Tim Heinemann, HafenCity University Hamburg
2:40 Brett Christophers*, Department of Social and Economic Geography, Uppsala University, *Anemic geographies of financialization.*
3:00 Patrick Bigger*, University of Kentucky, *Fast money, slow payoff: Time-space compression, financial realization, and Emissions Trading Schemes.*
3:20 Shaun French, University of Nottingham; Andrew Leyshon*, University of Nottingham, *'These F@#king Guys': the terrible waste of a good crisis.*
3:40 Leigh Johnson*, University of California Berkeley, *Contract time, forecast time, and end times: Climate and the dynamics of futures trading in the Gulf of Mexico.*
 Discussant(s): Geoff Mann, Simon Fraser University

- 2514. James Anderson Distinguished Lecture in Applied Geography (Sponsored by Applied Geography Specialty Group)**
 Room: 614 - Washington State Convention Center, Level 6
 (Paper Session)
 ORGANIZER(S): Nairne Cameron, Algoma University
 CHAIR(S): Nairne Cameron, Algoma University
 Introducer: Nairne Cameron
2:50 Robert B. Honea*, Retired, *Why the Outhouse is Always Downwind.*

- 2515. Rural women's livelihoods (Sponsored by Geographic Perspectives on Women Specialty Group)**
 Room: 615 - Washington State Convention Center, Level 6
 (Paper Session)
 ORGANIZER(S): Deborah Thien, California State University, Long Beach
 CHAIR(S): Margarida Queiros, University of Lisbon
2:40 Erica Carlsson*, University of Florida, *Indigenous Ye'kwana Artisans of Southern Venezuela: Harvesting Practices, Conservation and Development.*

WEDNESDAY, APRIL 13 • 2:40 PM - 4:20 PM • 2500

- 3:00** Megan Byrne, Master's Student*, Virginia Tech; Maria Elisa Christie, PhD, Virginia Tech, *Gender, Pesticides and Development in the Ecuadorian Andes.*
- 3:20** Joyelle T Clarke*, The University of the West Indies, *Sugar, Land and Livelihood in St. Kitts: Redefining Women's Worth.*
- 3:40** Rahel Muche Kassa*, Addis Ababa University, UNESCO-IHE Institute for Water Education, *Negotiating changing livelihoods: Gender, livelihood adaptation and household re-organization in the Ethiopian highlands.*
- 4:00** Margarida Queiros, Dr*, University of Lisbon; Nuno Marques Costa, Dr, University of Lisbon, *Sustainable Rural Development And Gender Entrepreneurship In Low Densities Areas. Experiences From Remote Rural Regions In Europe.*
- 2516. Between absence and presence: hiding, dissimulation, invisibility, and silence (2) (Sponsored by Ethics, Justice, and Human Rights Specialty Group, Socialist and Critical Geography Specialty Group)**
- Room: 616 - Washington State Convention Center, Level 6 (Paper Session)
ORGANIZER(S): Rhys Dafydd Jones, Aberystwyth University; James P Robinson, I.G.E.S., Aberystwyth University
CHAIR(S): Jennifer Turner, Aberystwyth University
- 2:40** Danielle Drozdewski*, UNSW, *Knowing (or not) about Katyn: Creating alternate spaces for memory transfer.*
- 3:00** Kirsi Pauliina Kallio*, University Of Tampere, *Voiceless politics: political non-participation as a tactic of the weak.*
- 3:20** Louise Waite*, University of Leeds, *Precarious lives: asylum seekers and refugees' experiences of forced labour.*
- 3:40** James P Robinson*, I.G.E.S., Aberystwyth University, *Invisible targets, strengthened morale: static camouflage as a 'weapon of the weak'.*
- 2517. Warfare Ecology (Sponsored by Cultural and Political Ecology Specialty Group, Military Geography Specialty Group)**
- Room: 617 - Washington State Convention Center, Level 6 (Panel Session)
ORGANIZER(S): L. Jean Palmer-Moloney, USACE - ERDC
CHAIR(S): William Doe, Colorado State University
Panelists: L. Jean Palmer-Moloney, USACE - ERDC; William Doe, Colorado State University; Kent Butts, US Army War College; Andrew Lohman
- 2518. The Limits of Neoliberal Natures: Debating research agendas (paper session) (Sponsored by Cultural and Political Ecology Specialty Group, Economic Geography Specialty Group)**
- Room: 618 - Washington State Convention Center, Level 6 (Paper Session)
ORGANIZER(S): Leila Harris, University of British Columbia; Karen Bakker, University of British Columbia
CHAIR(S): Leila Harris, University of British Columbia
- 2:40** Nik Heynen*, University of Georgia, *Organizing Against Apocalypse: Popular Climate Struggle as Epistemology for Understanding the Neoliberalization of Nature.*
- 3:00** Kathleen McAfee*, San Francisco State University, *Political Economy and Neoliberal Natures.*
- 3:20** Morgan Robertson*, University of Kentucky, *The genetics of neoliberal natures.*
- 3:40** Karen Bakker*, University of British Columbia, *The limits of 'neoliberal natures': Debating green neoliberalism.*
- 4:00** Kevin St. Martin*, Rutgers University, *Performing Alternatives to Neoliberal Natures: The "Case" of Marine Resource Governance.*
- 2519. Emerging Directions in Health-Environment Research II (Sponsored by Cultural and Political Ecology Specialty Group, Health and Medical Geography Specialty Group, Development Geographies Specialty Group)**
- Room: 619 - Washington State Convention Center, Level 6 (Paper Session)
ORGANIZER(S): Abigail Neely, University of Wisconsin - Madison; Brian King, The Pennsylvania State University
CHAIR(S): Brian King, The Pennsylvania State University
- 2:40** Abigail H. Neely*, University of Wisconsin - Madison, *Measuring Success: the Co-Creation of Researcher and Research Subject in Pholela, South Africa, 1940-1962.*
- 3:00** Georgina Drew*, University of North Carolina, Chapel Hill, *Our Bodies Are Not Our Own: Women's Health and Livelihood Struggles in Rural Garhwal.*
- 3:20** Juan M. Gonzalez*, Universidad De Los Andes; Tatiana S Andia, Brown University, *The political economy of pharmaceutical provision in Colombia: institutional framework and the "pharmaceuticalization" of health policy.*
- 3:40** Alex Nading*, University of Wisconsin-Madison, *The Spatial Politics of Infectious Disease Emergence in Not-So-Global Cities.*
- Discussant(s): Paul Robbins, University of Arizona
- 2520. Dasymetric Mapping and Geographically Weighted Regression**
- Room: 620 - Washington State Convention Center, Level 6 (Paper Session)
ORGANIZER(S): Program Committee
CHAIR(S): Eric Weber, Oak Ridge National Laboratory
- 2:40** Siqin Wang*, Student Membership, *Identification of Employment Subcenters in the Chicago Metropolitan Area: An Intelligent Dasymetric Mapping Approach.*
- 3:00** Robyn L. Dennis, Ph.D.*, University of Arkansas; Jennie S. Popp, Ph.D., University of Arkansas, *Estimating Mean Willingness to Pay for Resources with Geographically Weighted Regression.*
- 3:20** Nicholas Perdue*, Michigan State University; Kirk Goldsberry, Michigan State University, *Dasymetric Mapping of Urban Populations.*
- 3:40** Nadeem Hashem, Dr.*, Qatar University; Perumal Balakrishnan, Dr., Qatar University, *Assessing the Use of Dasymetric Mapping For Planning Education Provision in the Greater Doha.*
- 4:00** Eric Weber*, Oak Ridge National Laboratory, *A framework for automated accuracy assessments in dasymetric mapping.*
- 2521. Human Geography**
- Room: 6ABC - Washington State Convention Center, Level 6 (Poster Session)
ORGANIZER(S): Program Committee
Christi Townsend*, Texas State University, San Marcos, Texas, *Mountain Viticulture and the Role of Anthropogeomorphology: General Principles and Case Studies.*
- David C. Viertel, Ph.D.*, Eastern Illinois University, *A Comparison of Land Use Patterns in Two Amish Communities.*
- Susan Meerdink*, University of Northern Iowa, Geography Dept.; Andrey Petrov, Dr., University of Northern Iowa, Geography Dept.; Matthew Voss, University of Northern Iowa, Geography Dept.; Ramanathan Sugumaran, Dr, University of Northern Iowa, Geography Dept., *Long-term implications of the "ethanol boom" for American agriculture: Iowa case study.*

WEDNESDAY, APRIL 13 • 2:40 PM - 4:20 PM • 2500

- Ryann M Runyan*, Leanna Shea Rose, University of West Georgia rosre@westga.edu, *The Web of Community Sustainability in Theory and Practice*.
- Andrew Wille*, University of Northern Iowa, Geography Department; Ramanathan Sugumaran, University of Northern Iowa, Geography Department, *Spatial Temporal Analysis of Crop Yield Variability at the Field Level*.
- James Whitler*, USMA, *United States Military Operations in Volcanic Landscapes*.
- Matthew Meier*, *Factors and Spatial Distribution Patterns of Deer Vehicle Accidents in Kansas from 1990 to 2009*.
- Randall K. Wilson*, Gettysburg College; Thomas W. Crawford, East Carolina University; Sara C. Cawley, Gettysburg College, *Characterizing Collaborative Resource Management in the Intermountain West*.
- Laura Smith*, Macalester College, *Visualizing American Indian Land Tenure: A Collaborative GIS Project with the Indian Land Tenure Foundation*.
- John Riley*, University of New Orleans, *Victims of Peru's Internal Conflict, Twenty Years of Terror*.
- Laura Applegate*, Washington State University; Linda Hardesty, Washington State University, *Monitoring heterogeneous landscapes: nonparametric analysis..*
- Jonathan A. Gehrig*, The University of Texas at Austin, *Boutique Coffee Consumption and Shifting Coffee Cultivation*.
- Bryan F Madle*, Western Michigan University; Kathleen M Baker, Western Michigan University; Heather Petcovic, Western Michigan University, *Spatial Strategies in Geologic Field Mapping*.
- Chantal Ivenso, University of Cincinnati; Andrew Rettig, University of Cincinnati; Richard Allan Beck*, University of Cincinnati, *An OGC Based Geographic Information Network Methodology for Monitoring Microcystis Bloom Events in Maumee Bay, Lake Erie*.
- Feng Jiao*, Juying Jiao, Insitute of Soil and Water Conservation, CAS, *Reciprocal effect among vegetation, soil moisture and nutrients of cropland to forest and grassland in the loess hilly region*.
- Erica E. Adams, Masters Candidate*, Virginia Tech, *Operationalizing Scale in Watershed-based Stormwater Management*.
- Nikki Rumpca*, University of Wisconsin-Stevens Point, *Field Studies in the Aftermath of the April 14, 2010 Eyjafjallajökull Eruption, Iceland*.
- Xiaorong Guo*, University of North Alabama; Justin Trevor Shelton, University of North Alabama; Lisa D Keys-Mathews, University of North Alabama, *Crime Mapping, Kernel Density Estimation and Disaster Recovery: An Analysis of Mobile, Alabama after the Hurricane Ivan*.
- Nicole Novak*, The Confederated Tribes of the Umatilla Indian Reservation, *Indian Land Tenure - A Case Study on the Umatilla Indian Reservation*.
- Nick V. Maziakas, Penn State; Matthieu J. Murdock*, Penn State; Robert E. Roth, Penn State, *Geovisual Analytics of Improvised Explosive Device Incidents*.
- Michael J. Maret, Masters Student*, Shippensburg University; Claire Jantz, Professor, Shippensburg University; Scott Drzyzga, Professor, Shippensburg University, *Using the SLEUTH urban growth model to identify "drivers" of development in the Baltimore Metropolitan Region*.
- Courage Kamusoko*, Asia Air Survey, Japan; Courage Kamusoko, PhD, Asia Air Survey Co., Ltd, Japan, *Simulating Forest Cover Change Scenarios: A Case Study for Constructing REDD Baselines in Lao PDR*.
- Jacqueline J Dewar*, Laboratory of Tree-Ring Research, University of Arizona, Tucson, AZ; Donald A Falk, Laboratory of Tree-Ring Research, University of Arizona, Tucson, AZ; Craig D Allen, US Geological Survey, Jemez Mountains Field Station, Los Alamos, NM; Robert R Parmenter, Valles Caldera National Preserve, Jemez Springs, NM; Thomas W Swetnam, Laboratory of Tree-Ring Research, University of Arizona, Tucson, AZ, *Top-down and bottom-up control of fire regimes in montane grasslands of the Valles Caldera, New Mexico, USA*.
- Steven P Ericson*, Oklahoma State University, *Predicting Hope, Progress, and Change: Analysis of 2008 Presidential General Election in Georgia*.
- Qing Tian*, University of Michigan, *A Conceptual and Methodological Framework for Studying Sustainability of CHESs and its Applications in the Poyang Lake Region of China*.
- William Walker*, University of North Alabama; Francis Koti, University of North Alabama, *A Quantitative Analysis of Urban Sustainability Using GIS: Case of Shoals Area, Alabama*.
- Jennifer Collins, PhD*, University of South Florida; Charles Paxton, National Weather Service, *A warning system for considering social characteristics of population at risk*.
- Patrick Copeland*, *United States most Hazardous Volcano*.
- Thomas C. Jeffery, Ph.D.*, University of Wisconsin - Whitewater, *Single score hazard risk analysis at parcel level granularity*.
- Mayra Alejandra Roman Rivera*, University of Puerto Rico Rio Piedras Campus; Abiezer Pagan Flores, University of Puerto Rico Rio Piedras Campus, *Assessment of Natural Risk Profile at Levittown Toa Baja, Puerto Rico Phase II (2010)*.
- Zeb Wallace, BS*, University of North Alabama; Dennis Jarrad, University of North Alabama; Lee Terry, University of North Alabama; Lisa Keys-Mathews, PhD, University of North Alabama, *A Pattern Analysis of Social Vulnerability in the Path of Hurricane Ivan*.
- Michelle C Rigg, Graduate*, IUPUI, *Coordinating EMS Route Logistics to Protect Vulnerable Populations during Extreme Heat Events*.
- Katherine Correll, University of Memphis; Alessandro Vicini, ImageCat, Ltd; John Bevington, ImageCat, Ltd; Arleen Alice Hill*, University of Memphis, *Exploring Environmental Recovery: A post-Hurricane Harrison County, MS Case Study*.
- Dennis Jarrard*, University of North Alabama; Lisa Keys-Mathews, Ph.D., GISP, University of North Alabama, *Detecting Social Vulnerability using Remotely Sensed Data*.
- Ona Strikas*, Florida State University; J Anthony Stallins, Associate Professor, Florida State University, *Characterization of Cloud-to-Ground Lightning Outbreaks Events in an Urban Region*.
- Christy Mercer*, Student, *Can 'Plan Quality' be used to Evaluate Local Climate Change Adaptation Plans?.*
- Kelly Boynsen*, Texas State University, *Modeling Hurricane Evacuation Zones with the Use of Geographic Information Systems*.
- Lindsey Mcknight*, Texas State University-San Marcos, *Proximity of Water Wells to Concentrated Animal Feeding Operations: Fayette County, Texas*.
- Justin T. Shelton*, University of North Alabama; Craig Robertson, Department of Sociology, University of North Alabama; Lisa Keys-Mathews, Department of Geography, University of North Alabama, *Social Vulnerability to Natural Disasters and Patterns in Crime in Miami-Dade County, Florida*.

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- 2524. Global drylands: facing uncertainty and change in the 21st Century: 2 (Sponsored by Cultural and Political Ecology Specialty Group, Human Dimensions of Global Change Specialty Group, Development Geographies Specialty Group)**
Room: 301 - Washington State Convention Center, Level 3
(Paper Session)
ORGANIZER(S): Leif Brottem, University of Wisconsin-Madison; Hilary Hungerford, University of Kansas
CHAIR(S): Leif Brottem, University of Wisconsin-Madison
2:40 Eric Lovell*, Ohio University, *Assessing the Spatiotemporal Dimensions of Resource Access for Maasai Pastoralists in the Kilimanjaro Region of Northern Tanzania.*
2:58 Eirin Hongslo*, Noragric, University of Life Sciences, Norway, *Carrying capacity and stock limitations in South Africa.*
3:16 Darren Ruddell*, Arizona State University; Desirae Hoffman, University of Michigan; Omayya Ahmad, Arizona State University; Anthony Brazel, Arizona State University, *An Analysis of Historical Threshold Temperatures in Phoenix, AZ.*
3:34 Simone Rettberg*, University Bayreuth, *Plants, politics and power - The 'invasion' of Prosopis Juliflora in the drylands of Northeast Ethiopia.*
3:52 Denis Gautier*, CIRAD, France; Mamy Soumaré, FLASH, Bamako, Mali; Héléne Dessard, CIRAD; Manuel Linot, CIRAD, *Trajectories of the couple "Woodcutters - Savanna" in a Malian village over the past 10 years.*
Discussant(s): Matthew Turner, University of Wisconsin-Madison
- 2525. Applied Human-Environment Interactions II (Sponsored by Cultural and Political Ecology Specialty Group, Human Dimensions of Global Change Specialty Group)**
Room: 302 - Washington State Convention Center, Level 3
(Paper Session)
ORGANIZER(S): Kim Engie; Amy L McCleary, University of North Carolina at Chapel Hill
CHAIR(S): Kim Engie
2:40 Ravi Baghel*, Cluster of Excellence: Asia & Europe, University of Heidelberg, Germany, *Water flowing waste to the sea: Tracing a genealogy of the technocratic understanding of rivers in India.*
3:00 Lucas Ward*, Michigan State University - Dept. of Geography, *Maps, Machetes, Socks, and Fire: Making nature clear in the Paraguayan Pantanal.*
3:20 Amy L McCleary*, University of North Carolina at Chapel Hill, *Isabela Crece por Ti: Community Development in the Galápagos Islands.*
3:40 Karin Reuterswård*, Stockholm University, *Forests and Trees. Biodiversity Conservation and Wood Resources in the West Usambara Mountains, Tanzania, 1950s to Present.*
4:00 Daniel Kunches*, Penn State University, *Examining Limits to use in Yosemite Valley: A Study of the Numerical Limits on User Capacity Being Established in the Merced River Plan.*
- 2526. Dendrochronology VII: Dendroentomology (Sponsored by Paleoenvironmental Change Specialty Group, Biogeography Specialty Group)**
Room: 303 - Washington State Convention Center, Level 3
(Paper Session)
ORGANIZER(S): Christopher M. Gentry, Austin Peay State University; Saskia Van De Gevel, Appalachian State University
CHAIR(S): James H. Speer, Indiana State University
2:40 Aquila Flower*, University of Oregon; Dan J. Gavin, PhD, University of Oregon, *A multi-century history of western spruce budworm outbreaks in the Douglas-fir forests of northeastern Oregon, central Idaho, and western Montana.*
- 3:00** Kurt F. Kipfmüller*, University of Minnesota; Daniel S Margoles, University of Minnesota, *Growth rates of whitebark pine influence mortality during mountain pine beetle outbreaks.*
3:20 Chris Stephen Konchalski, MSc candidate (Forestry)*, University of Northern British Columbia; Kathy Lewis, PhD, University of Northern British Columbia, *Sensitivity of Western Redcedar Growth to Climate and Western Hemlock Looper in British Columbia's Inland Temperate Rainforest.*
3:40 Alison K Macalady*, University of Arizona, Laboratory of Tree Ring Research; Harald Bugmann, Forest Ecology, Institute of Terrestrial Ecosystems, ETH Zurich; Matthias Kläy, Forest Ecology, Institute of Terrestrial Ecosystems, ETH Zurich, *Dendroecological assessment of drought and bark beetle-induced tree mortality in piñon-juniper woodlands of New Mexico.*
4:00 James H. Speer*, Indiana State University; Kristen de Graauw, Indiana State University; Dorothy Rosene, Indiana State University, *Pandora Moth Outbreaks Across the Western United States Using Dendrochronology and Habitat Modeling.*
- 2527. Case Studies of Environmental Change, Policy and Health in Africa (Sponsored by Africa Specialty Group, Health and Medical Geography Specialty Group, Development Geographies Specialty Group)**
Room: 304 - Washington State Convention Center, Level 3
(Paper Session)
ORGANIZER(S): Isaac N. Luginaah, University of Western Ontario; Florence M. Margai, Binghamton University
CHAIR(S): Florence M. Margai, Binghamton University
2:40 Kathryn Coulter*, University of Illinois at Urbana-Champaign, *Hemmed In: The geography of organic cotton in Burkina Faso.*
3:00 Mariama Zaami*, University of Bergen; Raghild Overå, Associate Professor, University of Bergen, *Social Networking and Gendered Ethnic Spaces by Northern Migrants in the Informal Economy in Accra, Ghana.*
3:20 Jenna Dixon, MA*, The University of Western Ontario; Eric Tenkorang, PhD, University of Windsor; Isaac Luginaah, PhD, The University of Western Ontario, *Ghana's National Health Insurance Scheme: Helping the Poor or Leaving them Behind?.*
3:40 Paul Mkandawire*, The University of Western Ontario; Eric Tenkonrang, University of Windsor; Isaac Luginaah, The University of Western Ontario, *Orphan status and time to first sex among adolescents in northern Malawi.*
4:00 Abdi Samatar*, University of Minnesota, *The political ecology of Somali Piracy.*
- 2528. Business Geography - Student Paper Session (Sponsored by Business Geography Specialty Group)**
Room: 305 - Washington State Convention Center, Level 3
(Paper Session)
ORGANIZER(S): Linda A. Peters, Esri
CHAIR(S): Linda A. Peters, Esri
Introducer: Linda A. Peters
3:00 Zhuojie Huang*, Department of Geography, University of Florida, *Spatial Online Analytical Processing implementation in business geography: A simple n-tier server framework for geographic data warehousing.*
3:20 Yunlung Yeh*, University of North Texas, *The Global Expansion of Transnational Retailers: A Case Study of the Localization Strategy of Costco in Taiwan.*
3:40 Linda A. Peters*, Esri, *Using GIS in a Major Retail organization - a discussion with Starbucks.*

WEDNESDAY, APRIL 13 • 2:40 PM - 4:20 PM • 2500**2529. Waste Not, Want Not: Issues of Waste Management**

Room: 306 - Washington State Convention Center, Level 3

(Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Virginia Maclaren, University of Toronto

2:40 Sintana E Vergara, PhD Candidate*, UC Berkeley, *Environmental benefits from modes of informality in the waste sector in Bogotá Colombia.***3:00** Lacey Willmott*, Ryerson University; Sonya Graci, PhD, Ryerson University, *Challenges and Opportunities Affecting Solid Waste Management in Developing Small Islands. A Case Study of Gili Trawangan, Indonesia.***3:20** Ruth Lane*, Monash University, *Enacting property in domestic waste: the case of Melbourne's hard rubbish collections.***3:40** Virginia Maclaren*, University of Toronto, *Untangling the News: Media Representations of an Extended Producer Responsibility Program Failure.***2530. Vegetation Dynamics II (Sponsored by Biogeography Specialty Group)**

Room: 307 - Washington State Convention Center, Level 3

(Paper Session)

ORGANIZER(S): Adam T. Naito, Texas A&M University;

William Flatley, Texas A&M University

CHAIR(S): William Flatley, Texas A&M University

2:40 Evan R Larson*, The University of Wisconsin - Platteville; Kurt F Kipfmüller, Ph.D., University of Minnesota - Twin Cities, *Disturbance-Mediated Adaptation: Mountain Pine Beetles and the Fate of Whitebark Pine.***3:00** Yu Zeng*, Texas A&M University; Szu-Hung Chen, Texas A&M University; Charles Lafon, Texas A&M University; David Cairns, Texas A&M University; Andrew Birt, Texas A&M University; John Waldron, University of West Florida; Weimin Xi, University of Wisconsin; Maria Tchakerian, Texas A&M University; Robert Coulson, Texas A&M University, *Modeling the Impacts of Southern Pine Beetle Outbreaks on Forest Landscape in the Context of Climate Change.***3:20** Mary Ann Cunningham*, Vassar College; Emily Haeuser, Vassar College; Margeret L Ronsheim, Vassar College; Luke Leavitt, Vassar College, *Forest regrowth after agricultural abandonment: What is new about the new forest?.***3:40** Andrew Trgovac*, Student, *Unveiling the spatial pattern of forest rank abundance distributions through comparisons of stand age, biodiversity and productivity.***4:00** Jeremy S. Johnson*, Texas A&M University Department of Geography, *Changing Vegetation Dynamics of a Coastal Salt Marsh Due to Inundation Caused by Storm Event: Galveston Bay, Texas: USA.***2531. Climate Change and Wetland Ecosystems (Sponsored by Climate Specialty Group)**

Room: 308 - Washington State Convention Center, Level 3

(Paper Session)

ORGANIZER(S): Lei Meng, Cornell University

CHAIR(S): Lei Meng, Cornell University

2:40 Melanie K. Vanderhoof, PhD Student*, Geography Department, Clark University; Christopher A. Williams, PhD, Geography Department, Clark University; J. William Munger, PhD, School of Engineering and Applied Sciences, Harvard University; Julian Hadley, PhD, Harvard Forest; David R. Fitzjarrald, PhD, Atmospheric Sciences Research Center, SUNY-Albany, *Comparative analysis of carbon, water, and energy exchanges in co-located**mid-latitude forests at various stages of development.***3:00** Er Yue*, Oklahoma State University; Jianjun Ge, Oklahoma State University, *Assessing Eastern Redcedar Encroachment and Environmental Factors in Oklahoma by Remote Sensing and GIS.***3:20** Jeff Ueland*, Bemidji State University, *A hybrid classification method for mapping wetland areas on the Agassiz National Wildlife Refuge in Northern Minnesota.***3:40** Niti B. Mishra*, Department of Geography & the Environment, University of Texas, Austin; Kelley A. Crews, Department of Geography & the Environment, University of Texas, Austin; Amy L. Neuenschwander, Center for Space Research, University of Texas, Austin, *Sensitivity of EVI-based Harmonic Regression to Temporal Resolution in Seasonal Environments.***4:00** Lei Meng*, Cornell University; Natalie Mahowald, 2. Department of Earth and Atmospheric sciences, Cornell University, Ithaca, NY 14850; Peter Hess, 1. Department of Biological and Environmental Engineering, Cornell University, Ithaca, NY 14850; Joseph Yavitt, 3. Department of Natural Resources, Cornell University, Ithaca, NY 14850; Zack Subin, 4. Climate and Carbon Sciences, Earth Sciences Division, Lawrence Berkeley National Laboratory, Berkeley, CA 94720; William Riley, 4. Climate and Carbon Sciences, Earth Sciences Division, Lawrence Berkeley National Laboratory, Berkeley, CA 94720; David Lawrence, 5. National Center for Atmospheric Research, Boulder, CO 80307, *Development of a process-based methane biogeochemical model in the Community Land Model (CLM4)-Carbon/Nitrogen.***2533. Geographies of Media VII: Comics and cartoons (Sponsored by Political Geography Specialty Group, Cultural Geography Specialty Group, Communication Geography Specialty Group)**

Room: 310 - Washington State Convention Center, Level 3

(Paper Session)

ORGANIZER(S): Jason Dittmer, University College London;

James Craine, California State University Northridge

CHAIR(S): Jason Dittmer, University College London

2:40 Klaus Dodds, Professor*, Royal Holloway, University of London, *Popular geopolitics, cartoons and Steve Bell.***3:00** Pauliina Raento*, University of Helsinki & The Finnish Foundation for Gaming Research; Markus Meuronen, University of Jyväskylä, *Gambling, Space, and Politics in Finnish Editorial Cartoons.***3:20** Edward C. Holland*, University of Colorado at Boulder, *'To think and imagine and see differently': Popular geopolitics, graphic narrative, and Joe Sacco's 'Chechen war, Chechen women'.***3:40** Shaun Huston*, Western Oregon University, *Comic Book City, Portland, Oregon USA.***4:00** Jeffrey McGovern*, University of Arizona, *"Back Home:" The Performances of Second World War United States Veterans and the Myth of the State.***2534. LiDAR Applications in Forestry (Section B) (Sponsored by Remote Sensing Specialty Group)**

Room: 3A - Washington State Convention Center, Level 3

(Paper Session)

ORGANIZER(S): L. Monika Moskal, University of Washington

CHAIR(S): Marguerite Madden, Center for Remote Sensing and Mapping Science (CRMS)

2:40 Marguerite Madden, Director*, Center for Remote Sensing and Mapping Science (CRMS), Dept. of Geography, University of Georgia; Thomas Jordan, Associate Director, Center for Remote Sensing and Mapping

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- Science (CRMS), Dept. of Geography, University of Georgia, *Geovisualization and Analysis of Insect Damage in Forest Communities of Great Smoky Mountains National Park using Airborne LiDAR and High Resolution Orthoimagery.*
- 3:00** Laura Duncanson, MSc*, University of Maryland; Ralph Dubayah, University of Maryland; George C Hurtt, University of Maryland, *Evaluating spaceborne technologies for modeling forest structure.*
- 3:20** Benjamin C. Bright*, University of Idaho; Jeffrey A. Hicke, PhD, University of Idaho, *Fusion of Multispectral and Lidar Remote Sensing to Measure Carbon Stocks of a Forest Attacked by Mountain Pine Beetles in Idaho.*
- 3:40** Kathryn I Landau*, School of Geography and Development, University of Arizona; Willem J.D. van Leeuwen, Ph.D., School of Geography and Development, School of Natural Resources and the Environment - Office of Arid Lands Studies, University of Arizona; Elizabeth Willott, Ph.D., Department of Entomology, University of Arizona; Kyle A Hartfield, M.A., School of Natural Resources and the Environment - Office of Arid Lands Studies, University of Arizona, *Classification of Vegetation Lifeforms using LIDAR and Multispectral Data to Identify Urban Mosquito Habitat.*
- 4:00** Tyson Swetnam*, University of Arizona, *Likelihoods of individual tree inventories from aerial LiDAR along an elevation gradient in Southeastern Arizona.*
- 2535. Indigenous Peoples: Environmental Issues, Tourism, and Knowledge (Sponsored by Indigenous Peoples Specialty Group)**
- Room: 3B - Washington State Convention Center, Level 3 (Paper Session)
ORGANIZER(S): Ezra Zeitler, University of Wisconsin-Eau Claire
CHAIR(S): Kenneth D. Madsen, Ohio State University
- 2:40** Kenneth D. Madsen*, Ohio State University; Edison Cassadore, Tohono O'odham Community College, *Teaching Colonialism and Indigenous Political Geography with James Cameron's Avatar.*
- 3:00** Gwilym Eades, PhD*, McGill University, *Place Memes.*
- 3:20** William Price*, University of Kansas, *From Extinction to Tourist Attraction: Social Impact Assessment of Tasmania's Aboriginal Tourism Development Policy.*
- 3:40** Mary Ngo*, California State University, Long Beach, *Political Ecology of Emotion and Sacred Space: The Winnemem Wintu struggles with California water policy.*
- 4:00** Gidske L Andersen, Uni Research AS, Norway; Ahmed Ebaid, Egyptian Environmental Affairs Agency; Joseph J. Hobbs*, University of Missouri; Knut Krzywinski, Department of Biology, University of Bergen, Norway, *Acacia Trees in the Cultural Landscape of Pastoral Nomads in the Eastern Sahara.*
- 2536. Remote Sensing Applications in Coastal and Wetlands (II) (Sponsored by Remote Sensing Specialty Group)**
- Room: 201 - Washington State Convention Center, Level 2 (Paper Session)
ORGANIZER(S): Ruiliang Pu, University of South Florida; Qian Yu, University of Massachusetts
CHAIR(S): Qian Yu, University of Massachusetts
- 2:40** Karen Humes, Ph.D*, Department of Geography, University of Idaho; Michelle Howard, M.S., Department of Geography, University of Idaho; Miles Logsdon, Ph.D., School of Oceanography, University of Washington, *Evaluation of 250m MODIS Data for Mapping Near-Surface Turbidity in Puget Sound.*
- 3:00** Teresa L. Evans*, University of Victoria, *Using ALOS/PALSAR and RADARSAT-2 to Map Land Cover and Seasonal Inundation in the Brazilian Pantanal.*
- 3:20** Qian Yu, Assistant Professor*, University of Massachusetts-Amherst; Weining Zhu, Ph.D candidate, University of Massachusetts-Amherst; Yong Tian, Assistant Professor, University of Massachusetts-Boston; Bob Chen, Professor, University of Massachusetts-Boston, *High resolution estimation of colored dissolved organic carbon in riverine and plume area.*
- 3:40** Le Wang*, SUNY at Buffalo, *Characterizing Mangrove forest gap dynamics from Multi-temporal high spatial resolution remote sensing.*
- 4:00** Weining Zhu*, University of Massachusetts, Amherst; Qian Yu, University of Massachusetts, Amherst, *Uncertainties of remote sensing of colored dissolved organic matter: evaluations and comparisons for three rivers in North America.*
- 2538. Polar Geography 4: The Future of the Arctic (Sponsored by Russian, Central Eurasian, and East European Specialty Group)**
- Room: 203 - Washington State Convention Center, Level 2 (Paper Session)
ORGANIZER(S): Jessica K. Graybill, Colgate University; Timothy Edmund Heleniak, University of Maryland
CHAIR(S): Timothy Edmund Heleniak, University of Maryland
- 2:40** Lawson W Brigham*, University of Alaska Fairbanks, *A Roadmap Forward: The Arctic Marine Shipping Assessment.*
- 3:00** Md. Nayeemul Karim*, University of Northern British Columbia; Kathy J Lewis, Professor, University of Northern British Columbia, *Wildfire interactions on lichen succession of the wintering range of the Bathurst caribou herd, NWT.*
- 2539. Climate change and security IV: Violence and Conflict**
- Room: 204 - Washington State Convention Center, Level 2 (Paper Session)
ORGANIZER(S): Andrew Baldwin, Durham University
CHAIR(S): Andrew Baldwin, Durham University
- 2:40** Matheus H Pfrimer, Mr. *, University of São Paulo, *South American integration on the rise: proposing environmental (in)security projects in Bolivia..*
- 2:55** Andrea J. Nightingale, PhD*, University of Edinburgh, *Rebels with a Cause: Climate Change and Violent Conflict.*
- Discussant(s): Emily Gilbert, University of Toronto
- 2540. New Immigrant Destinations in the U.S. IV: Spaces and Politics of Integration (Sponsored by Political Geography Specialty Group, Urban Geography Specialty Group, Cultural Geography Specialty Group)**
- Room: 205 - Washington State Convention Center, Level 2 (Paper Session)
ORGANIZER(S): Monica Varsanyi, City University of New York; Mathew Coleman, Ohio State University
CHAIR(S): Mathew Coleman, Ohio State University
- 2:40** Vanessa H Martinez*, The University of Texas at Austin, *Divisive Policies and Political Empowerment: Immigrant Involvement in Debating "Legality" in Fremont, Nebraska.*
- 3:00** Paul N. McDaniel*, University of North Carolina at Charlotte; Heather A. Smith, Ph.D., University of North Carolina at Charlotte; Susan B. Harden, Ph.D., University of North Carolina at Charlotte, *Speaking of Change in a New Immigrant Gateway: Community Receptivity in Charlotte, North Carolina.*

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3:20 Rebecca Maria Torres*, University of Texas at Austin; Rich Heyman, University of Texas at Austin, *Building Austin, Building Justice: Construction and the Immigrant Labor Movement in a Neoliberal City*.

3:40 Joel P. Jennings*, St. Louis University, *temp*.
Discussant(s): Nancy A. Hiemstra, Syracuse University

2541. Academia Insurgent I: Organizing Research and Resistance (Sponsored by Socialist and Critical Geography Specialty Group)

Room: 206 - Washington State Convention Center, Level 2
(Paper Session)

ORGANIZER(S): Elizabeth Johnson, University of Minnesota - Minneapolis; Eli Meyerhoff, University of Minnesota
CHAIR(S): Eli Meyerhoff, University of Minnesota
Panelists: Elizabeth Mason-Deese; Gregory Martin, University of Technology Sydney; Elizabeth Johnson, University of Minnesota - Minneapolis

2542. Sensational Marxisms: Towards a Communism of the Senses II

Room: 211 - Washington State Convention Center, Level 2
(Paper Session)

ORGANIZER(S): Alex Loftus, Royal Holloway, University of London; Erik Swyngedouw, University of Manchester
CHAIR(S): Alex Loftus, Royal Holloway, University of London
2:40 Colin Cremin*, University of Auckland, *Eros and Austerity: The Struggle for Pleasure in Crisis Times*.

2:55 Jacob Miller*, University of Arizona, *A Mall without Stores: political affects in spaces of consumption*.

3:10 Ian Cook*, University of Exeter, *Commodity Fetishism, Relational Aesthetics and New Media Ecology: an Online Shopping Experiment*.

3:25 Naomi R Millner*, Bristol University, *Habits of Emancipation: Solidarity Activism and Migrant Politics after Rancière*.

Introducer: Alex Loftus

Discussant(s): Arun Saldanha, University of Minnesota - Minneapolis

2543. From Green Vineyards to Green Wineries: New approaches to sustainable wine-making (Sponsored by Geography of Wine Specialty Group)

Room: 212 - Washington State Convention Center, Level 2
(Paper Session)

ORGANIZER(S): Gregory V. Jones, Southern Oregon University; Teresa L. Bulman, Portland State University
CHAIR(S): Teresa L. Bulman, Portland State University

2:40 Teresa L. Bulman*, Portland State University, *An Overview of Green Vineyards/Green Wineries*.

3:00 Rebecca Ambers*, Dept. of Environmental Studies, Sweet Briar College, Sweet Briar, VA; Clifford Ambers, Chateau Z Vineyard, Monroe, VA, *Moving Toward Sustainable, Low-Spray Viticulture in Eastern North America*.

3:20 French Tyler Huffman*, Eastern Kentucky University; C. Patrick Heidkamp*, Southern Connecticut State University, *Spatial Considerations in Cost-Benefit Analysis: Eco-labels in the Wine Industry*.

3:40 Conrad M Goodwin, Ph.D.*, Independent Scholar; Maja Djorcev, B.A. Geography, University of Primorska, Koper, Slovenias, *Organic Vineyards and Winemaking in Slovenia*.

4:00 Donna M Senese, PhD*, University British Columbia Okanagan, *Slow wine and the value of an organic aesthetic in the wine regions of British Columbia Canada*.

2544. Racial/Ethnic Diversity, Segregation and Housing Choices (Sponsored by Population Specialty Group, Urban Geography Specialty Group, Ethnic Geography Specialty Group)

Room: 213 - Washington State Convention Center, Level 2
(Paper Session)

ORGANIZER(S): Madhuri Sharma, University of Tennessee, Knoxville; Michael D Webb, The Ohio State University

CHAIR(S): Madhuri Sharma, University of Tennessee, Knoxville

2:40 Michael D Webb*, The Ohio State University, *Gridlock: Growth Machines, Gentrification, and Planning Bureaucracies*.

2:57 Madhuri Sharma*, University of Tennessee, Knoxville, *A Geographic Perspective on Intra-Urban Variation of Racial/Ethnic Diversity, Clustering, and Segregation in Knoxville, Tennessee: 1990-2000*.

3:14 Donald J Poland*, University College London - Geography Department, *An Urban Geography of Small Urban Places*.

3:30 John Kirk*, UALR, *"The Suburban South and the Three 'R's': Race, Renewal and Resegregation"*.

3:46 Jeff Crump*, University of Minnesota; Rachel Fang, Housing Studies Program, University of Minnesota, *"This mortgage is killing me": how home foreclosure affects homeowners and their families*..

4:03 Eugene Tettey-Fio, Associate Professor*, SUNY-Binghamton, *Black Foreign-born Immigrants in Franklin County and Columbus, Ohio 1990 - 2008: Socio-Economic Status and Settlement Patterns*..

2545. Tribute to Robin Davidson-Arnott II: Coastal Dunes (Sponsored by Coastal and Marine Specialty Group, Geomorphology Specialty Group)

Room: 214 - Washington State Convention Center, Level 2
(Paper Session)

ORGANIZER(S): Chris Houser, Texas A&M University; Jean Taylor Ellis, University of South Carolina

CHAIR(S): Jean Taylor Ellis, University of South Carolina

2:40 Ian James Walker, PhD*, Dept. of Geography, University of Victoria; Connie Chapman, MSc candidate, Dept. of Geography, University of Victoria; Patrick Hesp, PhD, Department of Geography & Anthropology, LSU; Bernie Bauer, PhD, Dept. Earth & Environmental Sciences and Geography, University of British Columbia-Okanagan; Robin Davidson-Arnott, PhD, Dept. of Geography, University of Guelph; Jeff Ollerhead, PhD, Dept. of Geography, Mount Allison University, *Turbulent Reynolds stress and quadrant events in wind flow over a vegetated foredune, Prince Edward Island, Canada*..

3:00 Patrick A. Hesp*, Louisiana State University; Ian Walker, University of Victoria; Steven Namikas, LSU; Robin Davidson-Arnott, University of Guelph; Bernard Bauer, University of British Columbia - Okanagan; Jeff Ollerhead, Mount Allison University, Canada, *Storm wind flow dynamics over a foredune, PEI, Canada*.

3:20 Irene Delgado-Fernandez*, University of Ulster; Robin Davidson-Arnott, University of Guelph, *Interannual Comparison Of Aeolian Sediment Transport Events At Greenwich Dunes, PEI, Canada*..

3:40 Jeff Ollerhead*, Mount Allison University; Robin Davidson-Arnott, University of Guelph; Ian J Walker, University of Victoria, *Annual variations in the beach-foredune system, 2002-2010, Greenwich Dunes, Prince Edward Island (PEI) National Park, Canada*.

4:00 Julian D. Orford*, Queen's University, Belfast, UK; Gary Galbraith, Queen's University, Belfast, UK; Troels Aagaard, Copenhagen Univ, Copenhagen, Denmark, *Reconsidering Necessary And Appropriate Forcing Conditions For 19th Century Dune Emplacement: Skallingen Spit And Dunes, Jutland, Denmark*.

WEDNESDAY, APRIL 13 • 2:40 PM - 4:20 PM • 2500**2546. Geographies of Energy Vulnerability and Resilience (Sponsored by Energy and Environment Specialty Group)**

Room: 2A - Washington State Convention Center, Level 2
(Paper Session)

ORGANIZER(S): Rosie Day, University of Birmingham; Conor Harrison, East Carolina University

CHAIR(S): Gordon Walker, Lancaster University

2:40 Rosie Day, PhD*, University of Birmingham UK; Gordon Walker*, Lancaster University, *Under-consuming energy?: conceptualising energy vulnerability in everyday life.*

3:00 Conor M. Harrison*, University of North Carolina at Chapel Hill, *"Their bills are just different": Tracing the uneven landscape of electricity provision in eastern North Carolina.*

3:20 Holly Jean Buck, MSc Candidate*, Lund University, *Popular Resilience: Performing "preparedness" for low-energy futures.*

3:40 Bernd Möller, PhD*, Aalborg University, *Managing Energy Vulnerability and Resilience For Rural Communities in Northern Denmark By Means of Energy Atlases.*

4:00 Sara Fuller*, Durham University; Harriet Bulkeley, Durham University, *Understanding future energy vulnerability under climate change.*

2547. Cultural

Room: 2B - Washington State Convention Center, Level 2
(Illustrated Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Sarah Legar

2:40 Matthew Redmond Lloyd*, Kennesaw State University; Nancy Hoalst-Pullen, PhD, Kennesaw State University; Ernesto P Silva, PhD, Kennesaw State University; John Nicholas Stoerner, Kennesaw State University, *Global Perspectives: A Comparison of Geography, Environment and Culture in Latin America and the United States.*

2:50 Jennifer K. Lipton, PhD*, Central Washington University, *Lands of Production and Devotion: Spatial Analysis of Balinese Agricultural Terraces.*

3:00 James Daniel Lowry*, University of New Orleans, *Cores and Peripheries: Perceptual Regions of the United States.*

3:10 Peter W Rees*, University of Delaware, *Upstate-downstate: the origin and delineation of vernacular divisions within states.*

3:20 Henry W Lawrence*, Edinboro Univ of Pennsylvania, *Photography and the representation of place: a search for key landscape elements.*

3:30 Marie Lefebvre*, University of Ottawa, *Landscape metaphors in the « Congrès mondial acadien » 2009, the Acadian Homecoming.*

3:40 Samantha Lester*, University of Denver, *Local Food Actions & Motivations in the Highland Neighborhood of Denver, CO.*

3:50 Sarah L Legar*, Humboldt State University; Aaron Taveras*, *The Migration of Halloween to the United States.*

2550. Gail Hobbs Student Paper Competition 1 (Sponsored by Geography Education Specialty Group)

Room: Boren - Sheraton Hotel, Union Tower, Fourth Floor
(Paper Session)

ORGANIZER(S): Herschel Stern, Miracosta College

CHAIR(S): Herschel Stern, Miracosta College

2:40 Carmen Brysch*, Texas State University-San Marcos, *Evaluating Educational Computer Games in Geography: What is the Relationship to State Curriculum Requirements for Social Studies?.*

3:00 Michael Scholz*, Texas State University, *Evaluating Spatial Thinking in University World Regional Geography Textbook Questions.*

3:20 Cheryl A. Frazier*, Texas State University-San Marcos, *Influences of Texas Geography Teachers' Educational Backgrounds on Teaching Practices and Beliefs of Map Skills.*

Discussant(s): Sandra Metoyer, Texas A&M University

2551. Scalar Geographies of Moral Regulation II (Sponsored by Political Geography Specialty Group, Sexuality and Space Specialty Group)

Room: Columbia - Sheraton Hotel, Union Tower, Fourth Floor
(Paper Session)

ORGANIZER(S): Michael P. Brown, University of Washington; Stephen Legg, University of Nottingham

CHAIR(S): Stephen Legg, University of Nottingham

2:40 Stephen Legg*, University of Nottingham, *Scalar Geographies of Dyarchy: sexuality, morality, and the Government of India 1919-1935.*

3:00 Cecilia Chu*, University of California, Berkeley, *Narrating Health and Well-Being: Moral Regulation and the Construction of Cultural Knowledge in Hong Kong and Canton, 1919-1939.*

3:20 Kate Lynch, BA (Hons), MA*, University of Nottingham, *Gender, Religion and Medicine: Landscapes of the Medical Missionaries of Mary in Ireland and Tanzania, 1930 to 1962.*

2552. Challenges to Indian Social Geography in the New Millennium (Sponsored by Regional Development and Planning Specialty Group)

Room: Jefferson - Sheraton Hotel, Union Tower, Fourth Floor
(Panel Session)

ORGANIZER(S): Rajiv Thakur, University of South Alabama; Samuel Thompson, Western Illinois University

CHAIR(S): Rajiv Thakur, University of South Alabama

Introducer: Vandana Wadhwa

Discussant(s): Bimal Kanti Paul, Kansas State University

Panelists: Ashok K. Dutt, University Of Akron; Baleshwar Thakur, University of Delhi; Debnath Mookherjee, Western Washington University; George M. Pomeroy, Shippensburg University; Pradyumna P. Karan, University Of Kentucky; Rajrani Kalra, California State University, San Bernardino

2554. Performing provenance in contemporary food geographies 2

Room: Pike - Sheraton Hotel, Union Tower, Fourth Floor
(Paper Session)

ORGANIZER(S): Peter A. Jackson, University of Sheffield;

Richard Le Heron, University of Auckland

CHAIR(S): Richard Le Heron, University of Auckland

2:40 Matthew G Henry, Dr*, Massey University, *Performing Meat Spaces: Emerging Metrological Projects in the New Zealand Red Meat Industry.*

3:00 Michael Roche, Prof*, Massey University, *New production configurations & provenance dictates in the New Zealand meat industry with particular reference to Hawkes Bay and Central Otago.*

3:20 Richard Le Heron*, University of Auckland; and Biological Economies team, *Placing practices of experimentation: Emerging understandings of biological economies in, of and for the Hawkes Bay and Central Otago, New Zealand.*

3:40 Nick Lewis*, University Of Auckland, *Mobilising provenance propositions: Reflections on knowledge production strategies.*

Discussant(s): Lucy Jarosz, University of Washington

WEDNESDAY, APRIL 13 • 2:40 PM - 4:20 PM • 2500**2556. Human Environmental Interaction**

Room: *Seneca - Sheraton Hotel, Union Tower, Fourth Floor*

(Interactive Short Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Alyson L. Greiner, Oklahoma State University

2:40 Kathryn D Holtan*, Salisbury University; X. Mara Chen, PhD, Salisbury University; Gina Bloodworth*, Salisbury University, *'Wilderness' in American Environmental Perception: a comparative geographic analysis of evolving thought and expression.*

2:45 Dili Yang*, Northeastern Illinois University, *A survey of public attitudes towards climate change in Germantown, Wisconsin: Potential lessons for a public education strategy?.*

2:50 Thomas Martois, PhD Candidate*, University of Maryland, *The Geography of Understanding: Climate change perceptions and understanding among local coastal decision makers throughout the U.S..*

2:55 Ryan Z. Good*, University of Florida, *Social Movement Responses to Environmental and Economic Changes in Mwanza, Tanzania.*

3:00 Sean C Finnegan, BS*, The Robert Graham Center; Jennifer Lynn Rankin, PhD, MS, The Robert Graham Center, *Online Mapping Platforms for Public Health: How Deeply Are Federally Funded Health Centers Penetrating Populations in Need?.*

3:05 Lauren Kimbrell*, Virginia Tech; Korine Kolivras, Virginia Tech; Candice Luebbering, Virginia Tech, *Access to healthy living opportunities in Danville, VA.*

3:10 Matin Katirai, Ph.D.*, West Chester University, *How Where You Live in a City Affects Your Waistline: Urban Sprawl and Obesity, an Exploratory Analysis.*

3:15 Bryan Dorsey*, Weber State, *Transit Oriented Development and the College Campus: Weber State University Case Study.*

3:20 Alyson L. Greiner, PhD*, Oklahoma State University, *Environment, Development, and Disease Eradication in Oklahoma During the New Deal.*

3:25 Ruth A Guymon, Masters Student*, University of New Orleans, *New Orleans birds, batture, and residential neighborhoods..*

2558. Hazards and Vulnerability (Sponsored by Hazards Specialty Group)

Room: *University - Sheraton Hotel, Union Tower, Fourth Floor*
(Paper Session)

ORGANIZER(S): Mathew Schmidlein, California State University, Sacramento

CHAIR(S): Mathew Schmidlein, California State University, Sacramento

2:40 Sarah Stoner, MA*, University of Victoria; Denise Cloutier-Fisher, PhD, University of Victoria; James Gardner, PhD, University of Victoria; Martin Taylor, PhD, University of Victoria, *Social and Health Vulnerability to Earthquakes in the Capital Regional District, British Columbia Canada.*

3:00 Cynthia Sorrensen*, Texas Tech University, *A Geography Underground: Tunnels, Flooding, and the Politics of National Security.*

3:20 Monica Walker*, University of Idaho; Tim G Frazier, Ph.D, University of Idaho, *A Methodology for Evaluating Cut-and-Paste Hazard Mitigation Plans: A Case Study of 19 Counties in Western Washington.*

3:40 Courtney Thompson*, University of Idaho; Tim G Frazier, PhD, University of Idaho; Stephen Fricke, University of Idaho; Monica Walker, University of Idaho, *Incorporating Social Vulnerability into Traditional U.S. Hazard Mitigation Plans: A Case Study of Shoshone County, Idaho.*

4:00 Danielle Butsick*, University of Idaho; Tim G Frazier, Ph. D, University of Idaho, *Interaction between Post-Disaster Short-Term Response and Long-Term Redevelopment in Sarasota County, Florida.*

2559. Changing Rural Geographies in the United States II (Sponsored by Rural Geography Specialty Group, Population Specialty Group)

Room: *Virginia - Sheraton Hotel, Union Tower, Fourth Floor*
(Paper Session)

ORGANIZER(S): John Cromartie, Economic Research Service, USDA; Peter B. Nelson, Middlebury College

CHAIR(S): Alexander C. Vias, University Of Connecticut

2:40 Gundars Rudzitis*, University of Idaho, *The American West And Landscapes Of The Rural Rich: Theory, Consequences And Policy.*

3:00 Michael W. Longan*, Valparaiso University, *I'm a Country Boy: Country Music, Identity, and the Changing Relationship between Country and City.*

3:20 Jill A Smedstad*, Oregon State University; Hannah Gosnell, Ph.D., Oregon State University, *Social Learning in Adaptive Co-Management of Rangeland Riparian Resources in the US West.*

3:40 Larry Kleitches*, Texas State University-San Marcos, *This Is Not a City: The CVSD Dilemma.*

Discussant(s): John Cromartie, Economic Research Service, USDA

2561. Mobilizing Care: Uneven Geographies and the Spatial Governance of Global Health (Sponsored by Geographic Perspectives on Women Specialty Group, Health and Medical Geography Specialty Group)

Room: *Ballard - Sheraton Hotel, Pike Tower, Third Floor*
(Paper Session)

ORGANIZER(S): Margaret W. Walton-Roberts, Wilfrid Laurier University; Mark Lawrence Santiago, Department of Geography, University of British Columbia

CHAIR(S): Meghann Elizabeth Ormond, Wageningen University

2:40 Kim England*, University of Washington, *Importing Nurses: Needs, Rights and Care.*

3:00 Margaret W. Walton-Roberts*, Wilfrid Laurier University, *Global nurses, rural nurses: divides and disconnects between international nurse migration and health care delivery in India..*

3:20 Mark Lawrence Santiago, Ph.D. Candidate*, Department of Geography, University of British Columbia, *Producing Global Nurses: Ethical Recruitment and the Labor Brokerage State.*

3:40 Rory Johnston*, Simon Fraser University; Valorie A Crooks, Dr., Simon Fraser University; Krystyna Adams, Simon Fraser University; Paul Kingsbury, Dr., Simon Fraser University; Jeremy C Snyder, Dr., Simon Fraser University, *Who are Canada's medical tourists? An account of Canadians' involvement in medical tourism from the perspectives of facilitators.*

4:00 Barney Warf*, University of Kansas, *Do You Know the Way to San José? Medical Tourism in Costa Rica.*

2564. Representing and imagining the city - II (Sponsored by Landscape Specialty Group, Urban Geography Specialty Group)

Room: *Fremont - Sheraton Hotel, Union Tower, Third Floor*
(Paper Session)

ORGANIZER(S): Rick Miller, Ucla; Jun-Jei Nu, University of Wisconsin - Madison

CHAIR(S): Nicholas Bauch, Stanford University

2:40 Nicholas Bauch*, Stanford University, *Placed Participatory Programming: What geographers should learn from artists who use landscape interpretation as their medium for engaging cities.*

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- 3:00** Alice Huff*, UCLA, *Social Art Practice and Democratic Place-making in Post-Katrina New Orleans.*
- 3:20** Ingrid M. Butler, MA*, Syracuse University, *New Orleans as a Wonderland: Re-thinking an analytical approach to discuss new spatial imaginaries of race.*
- 3:40** Rick Miller*, UCLA, *Ghosts and guts in Rangoon: views on urban violence.*
Discussant(s): Benjamin Smith, Florida International University
- 2565. China in Transition II: Globalization, Cities and Regional Development (Sponsored by China Specialty Group, Asian Geography Specialty Group, Urban Geography Specialty Group)**
Room: Greenwood - Sheraton Hotel, Union Tower, Third Floor
(Paper Session)
ORGANIZER(S): Yehua Dennis Wei, University of Utah
CHAIR(S): Andrew M. Marton, University of Nottingham
- 2:40** Andrew M. Marton*, University of Nottingham Ningbo China, *Creating space for creative industries: Planning creativity in Ningbo, China.*
- 3:00** Xinzheng Joseph Zhao*, Center for Chinese Morden City, East China Normal University; Yehua Dennis Wei, Department of Geography and Institute of Public & International Affairs, University of Utah; Yüemin Ning, Center for Chinese Morden City, East China Normal University, *Determinant of Production Space Restructuration in Raising World City: An Empirical Study Based on Location Analysis of Manufacture Foreign Direct Investment in Shanghai.*
- 3:20** Je-Hun Ryu*, Korea National University of Education, *"The Modern Transformation of Spatial Structure in the Changjiang Delta Region: 1978-2006".*
- 3:40** Hao Huang*, University of Utah, *The City-Level Locational Pattern of Foreign Direct Investment in China.*
- 4:00** Jiantao Lu*, Peking University, *State-planned economy or culture economy? The cultural-industry-park fever in China.*
- 2566. Urban Politics and Governance**
Room: Issaquah A - Sheraton Hotel, Union Tower, Third Floor
(Paper Session)
ORGANIZER(S): Program Committee
CHAIR(S): Arnon Golan, University Of Haifa
- 2:40** Ludger Basten*, Technical University Dortmund, *Restructuring City-regional Governance - Trends and Examples from Europe and North America.*
- 3:00** Serena Kataoka, Doctoral Candidate*, University of Victoria, *Planning as politics: Le Corbusier's dream, our reality.*
- 3:20** Julie Tomiak*, Carleton University, *Urban Indigenous Self-Determination and the Politics of Scale in Canada.*
- 3:40** Arnon Golan*, University Of Haifa, *Political and spatial aspects of municipal elections in Tel Aviv during the 1950s.*
- 2567. Critical Cartography and GIS**
Room: Issaquah B - Sheraton Hotel, Union Tower, Third Floor
(Paper Session)
ORGANIZER(S): Program Committee
CHAIR(S): Wen Lin, University of Wisconsin-La Crosse
- 2:40** Joe Gerlach*, University of Oxford, *Eventful Mapping.*
- 3:00** Craig Dalton*, UNC Chapel Hill, *Sovereigns, Spooks and Geeks: the historical preconditions of Google geo services.*
- 3:20** Zhanar Haimovich*, *Censoring maps in Google China? Visual analysis through Foucault's power/knowledge..*
- 3:40** Tonya Davidson*, University of Alberta, *Unmapping: A Methodology for Monuments.*
- 4:00** Wen Lin*, University of Wisconsin-La Crosse, *Exercising micro power and organizing without organizations: VGI and spaces of participatory mapping in China.*
- 2568. Electric Mobility 1: Spatial Impacts and GIS Methods (Sponsored by Geographic Information Science and Systems Specialty Group, Transportation Geography Specialty Group)**
Room: Kirkland - Sheraton Hotel, Union Tower, Third Floor
(Paper Session)
ORGANIZER(S): Rainer Rothfuß; Volker Hochschild, University of Tuebingen
CHAIR(S): Rainer Rothfuß
- 2:40** Volker Hochschild*, University of Tuebingen; Felix Bachofer, University of Tuebingen; Rainer Rothfuß, University of Tuebingen; Susanne Fischer, University of Tuebingen; Jessica LeBris, University of Tuebingen; Thomas Ernst, University of Tuebingen, *eE-Tour Allgaeu - Spatial Data Modelling for Electric Mobility.*
- 3:00** Felix Bachofer*, University of Tuebingen; Volker Hochschild, University of Tuebingen, *Range Prediction and Eco Routing: What Influences have different Digital Elevation Models and the Accuracy of Road Network Data?.*
- 3:20** Katja Johaenning*, Institute of Urban and Transport Planning, RWTH Aachen University; Claudia Gilles, Institute of Urban and Transport Planning, RWTH Aachen University; Dirk Vallée, Univ.-Prof. Dr.-Ing., Institute of Urban and Transport Planning, RWTH Aachen University, *Determination of the use potentials of electric vehicles in Germany.*
- 3:40** Gil Tal*, UC Davis; Michael Nicholas, UC Davis, *Can you go skiing with your new EV? Analyzing fast charger placement to enable recreational trips along the Seattle-Wenatchee Corridor.*
- 4:00** Justin Woodjack*, University of California, Davis; Michael Nicholas, PhD, University of California, Davis; Thomas Turrentine, PhD, University of California, Davis, *Exploring activity spaces, charging patterns and driving behavior of EV drivers from the BMW MINI E Project.*
- 2569. Perspectives in Maritime Geography 2 - Economics and development (Sponsored by Transportation Geography Specialty Group)**
Room: Leschi - Sheraton Hotel, Union Tower, Third Floor
(Paper Session)
ORGANIZER(S): Gordon Wilmsmeier, Transport Research Institute; Adolf Ng
CHAIR(S): Adolf Ng
- 2:40** Claude Comtois*, University of Montreal, *Resilience of bulk port infrastructure and supply chain.*
- 3:00** Adolf K. Y. Ng*, Department of Logistics and Maritime Studies, The Hong Kong Polytechnic University, *Maritime Research within Human Geography: Trends and Development.*
- 3:20** Gordon Wilmsmeier*, Transport Research Institute, *The cost of being peripheral in liner shipping networks.*
- 2570. Stigmatization of urban quarters: hegemonic discourses and counter-hegemonic strategies (2)**
Room: Medina - Sheraton Hotel, Union Tower, Third Floor
(Paper Session)
ORGANIZER(S): Robert Puetz
CHAIR(S): Georg Glasze, Institute of Geography
- 2:40** Thomas Buerk*, Institute of Regional Development and Structural Planning (IRS) Erkner/Berlin, *Stigmatization as an element in the process of sociospatial peripherisation.*
- 3:00** Raimund Kemper*, IRAP, *Outside and inside stigmatization in deprived neighborhoods.*

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- 3:20** Markus Hesse*, University of Luxembourg, *Suburban Areas - A Case of Stigmatized Urban Quarters?*.
- 3:40** Douglas Young*, York University, *Suburban Decline and Renewal in Post-political Toronto*.
- 4:00** Paul Kirkness*, University of Edinburgh, *Everyday strategies of resistance to "the Planner's eye view" - challenging the language of territorial stigmatization in two French suburban neighbourhoods*.

2571. Climate Specialty Group Plenary Speaker Nathan Mantua (Sponsored by Climate Specialty Group)

- Room: Metropolitan Ballroom A - Sheraton Hotel, Third Floor*
(Paper Session)
ORGANIZER(S): Mark D. Schwartz, University Of Wisconsin - Milwaukee
CHAIR(S): Mark D. Schwartz, University Of Wisconsin - Milwaukee

2572. Fleming Lecture in Transportation Geography (Sponsored by Transportation Geography Specialty Group)

- Room: Metropolitan Ballroom B - Sheraton Hotel, Third Floor*
(Panel Session)
ORGANIZER(S): Julie Cidell, University of Illinois
CHAIR(S): Julie Cidell, University of Illinois
2:40 Kevin O'Connor, Melbourne University
Discussant(s): William B. Beyers, University Of Washington

2573. Histories of Cartography - Learning from the Classics

- Room: Queen Anne - Sheraton Hotel, Union Tower, Third Floor*
(Paper Session)
ORGANIZER(S): Program Committee
CHAIR(S): Harold Moellering, Ohio State University
2:40 Harold Moellering*, Ohio State University, *Perspectives on the History of Analytical Cartography*.
3:00 Riley J Peake, Press Cartographer*, Esri Press; Aileen Buckley, Mapping Center, Esri, *Republishing cartographic classics: Learning from the masters*.
3:20 Robert A. Norheim*, Univ of Washington, *Cartographic Standards and Practice in Academic Journals*.
3:40 George McCleary*, University of Kansas, *The Annals of the Association of American Geographers: A Century of Evolution in Map Design*.

2574. For Julie Graham: Questions of scale, mapping and subjectivity (Sponsored by Geographic Perspectives on Women Specialty Group, Economic Geography Specialty Group)

- Room: Ravenna - Sheraton Hotel, Union Tower, Third Floor*
(Paper Session)
ORGANIZER(S): Ceren Ozselcuk; Janelle Cornwell, University of Massachusetts - Amherst
CHAIR(S): Stephen Healy, Worcester State University
2:40 Maliha Safri, PhD*, Drew University, *Political and Theoretical Differences: Alternative Economic Surveys and Maps*.
3:00 Janelle Cornwell*, University of Massachusetts - Amherst, *Subjects of Scale: scale methodologies and the textual practice of possibility*.
3:20 Ceren Ozselcuk*, Bogaziçi University; Yahya Madra*, Gettysburg College, *Who Are the Communists Today? Reading Diverse Economies for Communism*.
3:40 Ceren Ozselcuk*, Bogaziçi University, *Who Are the Communists Today? Reading Diverse Economies for Communism*.

2575. The Great Outdoors: Natural Areas Management and Visitor Experiences (co-sponsored by the IGU Tourism Commission) (Sponsored by Recreation, Tourism, and Sport Specialty Group)

- Room: Wallingford - Sheraton Hotel, Union Tower, Third Floor*
(Paper Session)
ORGANIZER(S): Alan A. Lew, Northern Arizona University; Jarkko Saarinen, University of Oulu
CHAIR(S): Alan A. Lew, Northern Arizona University
2:40 Carla Jellum*, University of Otago, *Human geography of Antarctica: A recreational approach*.
2:58 Joe Weber*, University Of Alabama; Selima Sultana, University of North Carolina at Greensboro, *Evaluating the Accessibility of Minority Populations to "America's Best Idea"*.
3:14 David Mwesigye Tumusiime*, Department of International Environment and Development Studies (Noragric), Norwegian University of Life Sciences AND Faculty of Forestry & Nature Conservation, Makerere university (Uganda); Hanne Svarstad, Unit for Human?Environment Studies, Norwegian Institute for Nature Research (NINA), Gaustadalléen 21, 0349 Oslo, Norway, *A local narrative of ambivalence: The case of Bwindi Impenetrable National Park in Uganda*.
3:30 Keith Bosak*, The University of Montana, *Ecotourism as environmental justice? Discourse and the politics of scale in the Nanda Devi Biosphere Reserve, India*.
3:46 David N. Zurick*, Eastern Kentucky University, *Trekkers meet Truckers on Nepal's Mountain Trails*.

2576. Time Geography: Recent Progress and Future Prospects (III) (Sponsored by Geographic Information Science and Systems Specialty Group, Space-Time Symposium, Spatial Analysis and Modeling Specialty Group, Transportation Geography Specialty Group)

- Room: Aspen Room - Sheraton Hotel, Second Floor* (Paper Session)
ORGANIZER(S): Shih-Lung Shaw, University of Tennessee; Hongbo Yu, Oklahoma State University
CHAIR(S): Ling Yin, The University of Tennessee
2:40 Jie Chen*, State Key Laboratory of Resources and Environmental Information System, Institute of Geographic Sciences and Natural Resources Research, Chinese Academy of Sciences, Beijing, 100101, China; Shih-Lung Shaw, Department of Geography, University of Tennessee, 304 Burchfiel Geography Building, Knoxville, TN 37996-0925, USA; Feng Lu, State Key Laboratory of Resources and Environmental Information System, Institute of Geographic Sciences and Natural Resources Research, Chinese Academy of Sciences, Beijing, 100101, China; Hongbo Yu, Department of Geography, Oklahoma State University, 220 Scott Hall, Stillwater, OK 74078-4073, USA; Yanwei Chai, Department of Urban and Economic Geography, Peking University, 5 Yiheyuan Road, Haidian District, Beijing, 100871, China; Qinglei Jia, State Key Laboratory of Resources and Environmental Information System, Institute of Geographic Sciences and Natural Resources Research, Chinese Academy of Sciences, Beijing, 100101, China, *Exploring human activity patterns in Beijing, China based on a space-time GIS approach*.
3:00 Tianfang Bernie Fang*, Texas State University-San Marcos, *Individual-based Air Pollution Exposure Measure: A Time Geography Approach*.
3:20 Hongmian Gong, Ph.D.*, Hunter College of the City University of New York; Cynthia Chen, Ph.D., University of Washington, *Combining GPS/GIS/Internet/mobile technologies to Understand People's Travel*.

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- 3:40** Xiujun Ma*, Peking University; Amory Huang, Peking University; Yanwei Chai, Peking University; Donggen Wang, Hong Kong Baptist University, *A Spatio-temporal Data Warehousing Model for Time Geographical Analysis*.
- 4:00** Ying Zhao*, Peking University; Yanwei Chai, Peking University, *Residents' Behavior Patterns in Suburban Neighborhoods in China: Based on GPS Tracking Data*.
- 2577. Tools for Spatiotemporal Analysis (Sponsored by Space-Time Symposium)**
Room: Cedar Room - Sheraton Hotel, Second Floor (Paper Session)
 ORGANIZER(S): Space-Time Symposium Organizing Committee
 CHAIR(S): Mark Janikas
- 2:40** Frank Hardisty*, Pennsylvania State University; Jimmy Kroon, Pennsylvania State University, *Cloud-Enabled Space-Time Clustering*.
- 3:00** Eun-Kyeong Kim*, Kyung Hee University; Chulsue Hwang, Kyung Hee University, *A Sequence Clustering for Spatio-temporal Data Analysis based on Self-Organizing Maps*.
- 3:20** Edzer Pebesma*, institute for geoinformatics; Roger S Bivand, Economic Geography Section, Department of Economics, Norwegian School of Economics and Business Administration, Bergen, Norway, *Analyzing spatio-temporal data in R*.
- 3:40** Steve Kopp*, Esri; Hardeep Bajwa, Esri; David Kaiser, Esri, *Challenges and Solutions in Spatiotemporal Software Development*.
- 4:00** Mark Vincent Janikas, Ph.D.*, Environmental Systems Research Institute (Esri); Juan Carlos Duque, Ph.D., Research in Spatial Economics (RISE-group); Lauren Scott, Ph.D., Environmental Systems Research Institute (Esri); Lauren Rosenshein, Environmental Systems Research Institute (Esri), *Space-Time Partitioning in ArcGIS 10.1*.
- 2581. Global Youth Part II**
Room: Grand Ballroom C - Sheraton Hotel, Second Floor (Paper Session)
 ORGANIZER(S): Craig Jeffrey, Oxford University
 CHAIR(S): Craig Jeffrey, Oxford University
- 2:40** Rosalind Susanna Evans*, University of Oxford, *Inheriting the Past and Envisioning the Future: Young Bhutanese Refugees' Political Learning and Action*.
- 3:00** Winnie Tam Hung*, University of California Davis, *"Living in a Dirt/Third World": Fuzhounese Families and "Feeling American"*.
- 3:20** Johanna L. Waters*, University of Birmingham, *"To have a degree is to be normal": young people and transnational higher education in Hong Kong*.
- 3:40** Abby Hardgrove*, University of Oxford, *Life Without a Gun: The Importance of Postwar Social Controls for Life Trajectories of Ex-combatant Youth in Monrovia, Liberia*.
- Discussant(s): Craig Jeffrey, Oxford University
- 2583. Remote Sensing Methods and Approaches 2**
Room: Juniper Room - Sheraton Hotel, Second Floor (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Cort Willmott, University of Delaware
- 2:40** Jiao Wang*, Texas State University - San Marcos, *Scale effects on the remote estimation of evapotranspiration*.
- 3:00** Amy E. Frazier*, University at Buffalo; Le Wang, Ph.D., University at Buffalo, *Evaluating soft classifications to determine saltcedar spatial patterns using a threshold approach*.
- 3:20** Xin Miao*, Missouri State University; Jill S Heaton, Department of Geography, University of Nevada at Reno, *Ecosystem Classification Using Multi-source Remote Sensing Data*.
- 3:40** Boleslo Romero*, University of California, Santa Barbara, *Using various spectral color spaces to improve feature detection in 3D point clouds*.
- 4:00** Cort Willmott*, University of Delaware; Kenji Matsuura, University of Delaware; Scott Robeson, Indiana University, *A refined index of model performance*.
- 2584. The 'engaged geographer': geography, community engagement and citizenship (Sponsored by International Network for Learning & Teaching Geography in Higher Education (INLT))**
Room: Madrona Room - Sheraton Hotel, Second Floor (Panel Session)
 ORGANIZER(S): Lindsey J McEwen, University of Gloucestershire; Kenneth D Lynch, University of Gloucestershire
 CHAIR(S): Lindsey J McEwen, University of Gloucestershire
 Panelists: Lindsey J McEwen, University of Gloucestershire; Sandra Zupan, University of Wisconsin-Milwaukee; Gil Latz, Portland State Univ; Phil Klein, University of Northern Colorado; Kenneth D Lynch, University of Gloucestershire; Keiron Bailey, University of Arizona
- 2586. Waldo Tobler Distinguished Lecture in Geographic Information Science (Sponsored by Geographic Information Science and Systems Specialty Group)**
Room: Willow A - Sheraton Hotel, Second Floor (Paper Session)
 ORGANIZER(S): Jeremy Mennis, Temple University
 CHAIR(S): Jeremy Mennis, Temple University
 Introducer: Jeremy Mennis
- 2587. Gazetteer Elements; Temporal Frameworks (Sponsored by Space-Time Symposium, Harvard University Center for Geographic Analysis, Association of American Geographers)**
Room: Willow B - Sheraton Hotel, Second Floor (Panel Session)
 This session and session 2487 will run continuously
 ORGANIZER(S): Peter Bol, Harvard University
 CHAIR(S): Peter Bol, Harvard University
- 2:40** Humphrey Southall, University of Portsmouth
- 3:00** Ruth Mostern, University of California - Merced
- 3:20** Merrick Berman, China Historical GIS, Harvard University

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- 2603. Geography and Liberal Education: Intersecting Points on a Map? (Sponsored by Association of American Geographers)**
Room: 603 - Washington State Convention Center, Level 6
 (Panel Session)
 ORGANIZER(S): Michael N. Solem, Association of American Geographers
 CHAIR(S): Michael N. Solem, Association of American Geographers
 Introducer: Michael N. Solem
 Panelists: Sriram Khe, Western Oregon University; Kevin Hovland, Association of American Colleges and Universities; Phil Klein, University of Northern Colorado; Jennifer Speights-Binet, Samford University; Jeffrey M. Young, LizardTech; Stephen F. Cunha, Humboldt State University
- 2604. The Frontier Revisited II: A Special Session honoring the work of Dr. David Wishart (Sponsored by Historical Geography Specialty Group)**
Room: 604 - Washington State Convention Center, Level 6
 (Paper Session)
 ORGANIZER(S): Melvin Arthur Johnson, University of Nebraska-Lincoln
 CHAIR(S): Melvin Arthur Johnson, University of Nebraska-Lincoln
4:40 Kenneth French*, University of Wisconsin-Parkside, *Mom and Pop Pizzerias Remain: Analysis of an Italian-American Urban Landscape in Kenosha, Wisconsin.*
4:55 Melvin Arthur Johnson, PhD*, Northwest Missouri State University, *The Changing Landscape of a Rural Region.*
5:10 Ezra Zeitler*, University of Wisconsin-Eau Claire, *Anti-racist Advocacy and the Achievements of Wisconsin's Act 250.*
5:25 Rebecca A. Buller, PhD*, University of Nebraska-Lincoln and Midland University, *Race, Ethnicity, Gender, Class, Age, Nationality, and Religion: Intersections of Place, Time, and Entertainment in Rural Nebraska in the Late 19th and Early 20th Centuries.*
5:40 Matthew Engel*, Northwest Missouri State University, *Morbid News: The Demographic and Spatial Dynamics of Fatalities in the Media.*
5:55 David J. Wishart*, University of Nebraska, *The Frontier Revisited, Again.*
- 2606. Climatic Impacts on Trees**
Room: 606 - Washington State Convention Center, Level 6
 (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Ryan J Hollamby, UCCS
4:40 Liang Liang*, University of Kentucky; Songlin Fei, University of Kentucky, *Bioclimatic Limits for the Distribution of Chestnut (Castanea) Worldwide.*
5:00 Philip Savoy*, University at Buffalo, *Geographic variation of abundance throughout the ranges of 18 Eastern US tree species.*
5:20 Noah Molotch*, University of Colorado at Boulder; Ernesto Trujillo, University of Colorado at Boulder; Keith Musselman, University of California, Los Angeles, *Sub-alpine forest response to spatio-temporal variability in snowmelt.*
5:40 Emily K. Smith-McKenna, PhD Student--Geospatial & Environmental Analysis*, Virginia Tech; Lynn M. Resler, Associate Professor, Department of Geography, Virginia Tech, *Blister Rust Infected Whitebark Pine in the Alpine Treelines of Glacier National Park and the Beartooth Plateau, U.S.A..*
- 6:00** Ryan J Hollamby*, UCCS, *The Massenerhebung Effect: A regional study of treeline elevation comparing the Pikes Peak Massif and Elk Mountains, Colorado, USA..*
- 2607. CGSG Marquee Address: Richard Day on Contemporary Affinity Politics (Sponsored by Ethics, Justice, and Human Rights Specialty Group, Cultural Geography Specialty Group, Indigenous Peoples Specialty Group)**
Room: 607 - Washington State Convention Center, Level 6
 (Panel Session)
 ORGANIZER(S): Soren Larsen, University of Missouri
 CHAIR(S): Soren Larsen, University of Missouri
4:40 Richard S. Day, Queens University
- 2608. Antipode Lecture (Sponsored by Antipode)**
Room: 608 - Washington State Convention Center, Level 6
 (Paper Session)
 ORGANIZER(S): Nik Heynen, University of Georgia; Vinay K. Gidwani, University of Minnesota
 CHAIR(S): Vinay K. Gidwani, University of Minnesota
4:40 Lynn A Staeheli*, Durham University, *Whose Responsibility Is It?.*
- 2611. Geographic Understanding and Children**
Room: 611 - Washington State Convention Center, Level 6
 (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Bryan Wee, University of Colorado Denver
4:40 Deborah Hann*, Texas State University, San Marcos, *"Early Cartographies:" Maps in Children's Picture Books.*
5:00 Koji Ohmishi*, University of Toyama, *Children's Learning Disaster from Ise Bay Disaster through Map Making Activity.*
5:20 Andrew F Davis*, Penn State World Wide Campus (online Masters Program GIS), *GeoGoshen: A Web Mapping Tool for Scout Education and Enrichment.*
5:40 Lucie Pospisilova*, Charles University in Prague; Martin Ourednicek*, Charles University in Prague, *Time-space Behavior of Suburban Teenagers: Example of Prague, Czech Republic.*
6:00 Bryan Wee*, University of Colorado Denver, *Drawings from China: Understanding children's ideas about the environment.*
- 2612. New Voices in Rural Geography #3: North American Research (Sponsored by Rural Geography Specialty Group)**
Room: 612 - Washington State Convention Center, Level 6
 (Paper Session)
 ORGANIZER(S): Dawn M Drake, University of Tennessee
 CHAIR(S): Dawn M Drake, University of Tennessee
4:40 Emily Scarborough*, Ohio State University, *The Changing Industrial Geography of Rural America.*
5:00 Ryan D Bergstrom*, Kansas State University, *Defining Sustainability in the Greater Yellowstone Ecosystem.*
5:20 Beth J Feingold, MPH, MEdSc*, Johns Hopkins School of Public Health; Jan Kluytmans, MD, PhD, Amphia Hospital Breda, The Netherlands; Ellen K Silbergeld, PhD, Johns Hopkins School of Public Health, *Spatial Analysis of Livestock Associated MRSA.*
5:40 Alex G Martin, M.A. *, University of Northern British Columbia, *Finding a place in the new economy: Challenges to British Columbia's approach to regional economic development from the northern Interior.*
6:00 Julia Christensen*, Department of Geography, McGill University, *'They want a different life': settlement-urban dynamics and pathways to homelessness in Yellowknife and Inuvik, Northwest Territories.*

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- 2613. Critical Perspectives on Local and Regional Economic Development (Sponsored by Economic Geography Specialty Group)**
Room: 613 - Washington State Convention Center, Level 6
(Paper Session)
ORGANIZER(S): John Taylor Shelton, University of Kentucky; Amanda Fickey, University of Kentucky
CHAIR(S): Andrew Wood, University of Kentucky
4:40 Martin H. Hess*, University of Manchester, *Cultural Political Economies of Regional Development.*
5:00 Amanda Fickey*, University of Kentucky, *35 Years Later - Did the 1965 Appalachian Regional Development Act 'pay off'? A Critical Examination of Regional Development Policy in/for Appalachia..*
5:20 Rui Chen*, *Trans-Regional Communities and External Coupling: A Geographical Perspective on Regional Development of Teochew Region, China.*
5:40 Taylor Shelton*, University of Kentucky, *Science parks, sustainable development and social regulation.*
6:00 Mark Pendas, PhD*, University of Washington Tacoma; Charles Williams, PhD, University of Washington Tacoma, *The political economy of stasis: examining urban industrial transition in a second (class) city..*
- 2614. Applied Spatial Analysis (Sponsored by Applied Geography Specialty Group, Urban Geography Specialty Group, Spatial Analysis and Modeling Specialty Group)**
Room: 614 - Washington State Convention Center, Level 6
(Paper Session)
ORGANIZER(S): Peter Kedron
CHAIR(S): Peter Kedron
4:40 David W Wong*, George Mason University, *Incorporating Data Quality Information to Evaluate Spatial Patterns: An Example of using the American Community Survey Data.*
5:00 Peter Kedron*, University at Buffalo; Peter Rogerson, PhD, University at Buffalo, *Empirical determination of optimal weights and spatial scale for the local Moran statistic.*
5:20 Federico Martellozzo*, Student, *Urban sprawl as a matter of degree of spatial dispersal.*
5:40 Russell C Weaver*, The State University of New York at Buffalo; Jason Knight, The State University of New York at Buffalo, *How Does Zoning Matter? The Causes and Consequences of Modern Land Use Planning Regulation: An Example from New York State.*
- 2615. Ten Years On: Feminisms and the 'War on Terror' (Sponsored by Geographic Perspectives on Women Specialty Group, Socialist and Critical Geography Specialty Group)**
Room: 615 - Washington State Convention Center, Level 6
(Paper Session)
ORGANIZER(S): Roberta Hawkins, Clark University; Kate Coddington Senner, Syracuse University
CHAIR(S): Roberta Hawkins, Clark University
4:40 Vanessa A. Massaro, MA*, Penn State University, *Dealing Terror: Reconnecting Two Social Wars.*
5:00 Jill Williams*, Clark University, *Protection as Subjection: National Security, Female Vulnerability, and US-Mexico Border Enforcement Post-9/11.*
5:20 Amy D Piedalue, doctoral student*, University of Washington, *Deconstructing Dominant Paradigms of Gendered Violence: A Feminist Reading of Developmental Framings of Domestic Violence, Women's Empowerment, and Violent Masculinities.*
- 5:40** Emily Mitchell-Eaton*, Syracuse University, *Married to "The Man": Violence, Discipline and Intimate Neocolonies in Filipina Women's Marriages to American Men.*
Discussant(s): Deborah Cowen, University of Toronto
- 2616. Author meets critics: David Nally, Human Encumbrances: Political Violence and the Great Irish Famine (Sponsored by Political Geography Specialty Group, Historical Geography Specialty Group)**
Room: 616 - Washington State Convention Center, Level 6
(Paper Session)
ORGANIZER(S): Gerry Kearns, Virginia Polytechnic & State University
CHAIR(S): Gerry Kearns, Virginia Polytechnic & State University
Introducer: Gerry Kearns
Discussant(s): David Nally, University of Cambridge
Panelists: Tony Weis, UWO; Padraig Carmody, Padraig Carmody; Nessa Cronin, National University of Ireland, Galway; Abdi Samatar, University of Minnesota
- 2617. Geospatial Aspects of Human and Physical Terrain in Military Operations (Sponsored by Military Geography Specialty Group)**
Room: 617 - Washington State Convention Center, Level 6
(Paper Session)
ORGANIZER(S): L. Jean Palmer-Moloney, USACE - ERDC
CHAIR(S): L. Jean Palmer-Moloney, USACE - ERDC
4:40 Laura Jean Palmer-Moloney, Ph.D.*, USACE - ERDC, *Gauging Water's Role in the Security Environment and in Environmental Security.*
5:00 Mark R. Read*, Pennsylvania State University, *Dealing with Uncertainty: Scenario Analysis in Climate Change-Security Research.*
5:20 Swathi Veeravalli*, USACE-ERDC-TEC, *Water Accessibility and Identity in Conflict Zones.*
5:40 Ray Caputo*, U.S. Army Geospatial Center, *U.S. Army use of Geospatial PDF (GeoPDF).*
- 2618. The Limits of Neoliberal Natures: Debating research agendas (Panel Discussion) (Sponsored by Cultural and Political Ecology Specialty Group, Energy and Environment Specialty Group, Economic Geography Specialty Group)**
Room: 618 - Washington State Convention Center, Level 6
(Paper Session)
ORGANIZER(S): Leila Harris, University of British Columbia; Karen Bakker, University of British Columbia
CHAIR(S): Karen Bakker, University of British Columbia
Discussant(s): Diana M. Liverman, University Of Oxford
Panelists: Leila Harris, University of British Columbia; Jamie Peck, University of British Columbia; James P. McCarthy, Pennsylvania State University; Wendy Larner, University of Bristol
- 2619. Green Jobs and Environmental Justice: Post-Carbon Political Ecologies (Sponsored by Cultural and Political Ecology Specialty Group, Human Dimensions of Global Change Specialty Group)**
Room: 619 - Washington State Convention Center, Level 6
(Paper Session)
ORGANIZER(S): Dustin Mulvaney, University Of California - Santa Cruz
CHAIR(S): Alastair Iles, UC Berkeley
Introducer: Dustin Mulvaney
4:45 Alastair Iles*, UC Berkeley; Abigail Martin, UC Berkeley, *Environmental Justice in Global Ethanol Value Chains: Brazil and the United States..*

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5:05 Charisma S Acey*, The Ohio State University; Thomas Culhane, Ph.D., National Geographic Emerging Explorer, *What is a Green Job Anyway? Capturing Carbon, Re-Capturing Definitions.*

5:25 Dustin Mulvaney, Ph.D.*, University Of California - Berkeley, *Are green jobs, just jobs? anticipating the risks from solar photovoltaic manufacturing, deployment, and end-of-life.*

Discussant(s): Julian Agyeman, Tufts University

2620. Achieving Urban Sustainability: From Yards to Roofs

Room: 620 - Washington State Convention Center, Level 6

(Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Yan Jiang

4:40 C.Y Jim, The University of Hong Kong; Lihua Peng*, The University of Hong Kong, *Study on the climatic effects of community-scale application of green roofs: a case study in densely residential areas of Hong Kong.*

5:00 Bethany B Cutts*, University of California, Davis, *Water conservation for populations growth? Public knowledge systems as individual and neighborhood-level phenomenon.*

5:20 Joshua T. Bazuin*, Vanderbilt University; Kimberly Daniels Bess, Vanderbilt University; James C. Fraser, Vanderbilt University; Amanda R. Carrico, Vanderbilt University, *The Use of Spatialized Social Networks to Analyze Neighborhood Influences on Household Decision-Making Around Yard Care.*

5:40 Yan Jiang*, University of Washington, *The effect of Environmentally Sensitive Area policy on parcel level imperviousness in King County, WA.*

2621. Cultural, Social, Political, and Geography Education

Room: 6ABC - Washington State Convention Center, Level 6

(Poster Session)

ORGANIZER(S): Program Committee

Khila R. Dahal*, Dept. of Geography, Texas State University; Khila R. Dahal, Geography, Texas State University-San Marcos, *Detection of Built-up Expansion in 500-year Flood Zones of Bexar County, Texas in the Last 25 Years.*

Jiahong Wen*, Department of Geography, Shanghai Normal University, Shanghai 200234, China; Jianli Liu, Department of Environmental Science, East China Normal University, Shanghai 200062, China, *Low Elevation Coastal Zone and Its Population Distribution in China.*

Marina C Medina*, University of Puerto Rico, *Puerto Rico, an everlasting American colony or the 51st state?.*

Shane P Smith*, United States Military Academy, *Insurgent State: Applicable Today or a Model of the Past?.*

Robert Hickey, PhD*, Central Washington University; Michael Pease, PhD, Central Washington University, *Advising Strategies for Geography: Going Beyond Degree Requirements.*

Elizabeth Ridder*, Arizona State University; Eric Jerome, Peoria Unified School District, *Lesson Development to Integrate State and National Standards through the Grand Challenges of Engineering.*

Robert Edsall*, University of Minnesota, *Enabling Visualization of Map Projections in Three Dimensions: a Demonstration of the GeoWall, Wiimotes, and Interaction with 3D objects.*

William B. Kory*, University of Pittsburgh, *The Pennsylvania Geographer: Approaching Fifty.*

David Banis*, Portland State University; Thomas Harvey*, Portland State University; Martha Works, Portland State University, *Tuscany: Sustainability in City & Country - A Short-term Study Abroad Program.*

Zack Ryan Hawkins*, Keene State College; Greg Martin, *Barking Up the Wrong Tree: An Analysis of Tree City USA in Keene, NH.*

Matthew Patton*, Texas State University-San Marcos, *Using Flash-Based Interactive Maps of the United States as Teaching Tools.*

Kelli Schlegelmilch*, University of Wisconsin- Eau Claire; Dr. Paul Kaldjian, Associate Professor of Geography, University of Wisconsin- Eau Claire, *The Role of the Hmong in the Eau Claire Downtown Farmers Market.*

Jason Richardson*, University of South Florida Geography Department, *Ethnic and Price Conformity in River Adjacent Property in Hillsborough County Florida.*

Lillian Denhardt*, Clark University; Abigail Nehring*, Bard College at Simon's Rock, *How We Feel When We're not Mowing the Lawn: An ethnographic study of turfgrass, flowerbeds, and conflict in the north shore of Boston.*

Stephanie Insinna, BA*, University of Colorado Denver, *Exploring Renewable Energy Implementation in Grenada, West Indies.*

Alyson Diller*, University of Wisconsin Eau Claire, *Spatial Analysis of Lottery Revenue across Neighborhoods of Contrasting Socioeconomic Make-up in Southeastern Wisconsin.*

Hari P Garbharran, Dr., Dept. of Geosciences, Middle Tennessee State University; William E Harper*, MTSU, *Legal Assistance Program in Nepal.*

Peter Kimosop*, East Stroudsburg University, *Comprehensive assessment of hydrological drought and land use change in the Kerio Valley Basin, Kenya.*

Melanie Jonas*, Illinois State University; John Kostelnick, Assistant Professor, Illinois State University; Julian C. Kerbis Peterhans, Associate Professor, Chicago Field Museum, Roosevelt University; Sabine Loew, Associate Professor, Illinois State University, *Indicators of anthropogenic impact on *L. aquilus* across the African Albertine Rift.*

Christopher M. Thomas*, Dept. of Geography, *A Pilot Project Takes Shape: The Development, Negotiation, and Implementation of a Resource Monitoring Framework and Analysis of ASSETS Effectiveness in the Arabuko-Sokoke Forest Reserve, Kenya.*

Silvia Cordero-Sancho*, University of Michigan; Kathleen Bergen, University of Michigan; Daniel Brown, University of Michigan; Rachel Kornak, University of Michigan; Rebecca Hardin, University of Michigan; Arun Agrawal, University of Michigan, *Fine Scale Land Cover and Human-Natural Disturbances in Congo Basin Forests.*

David Hater*, University of North Alabama; Michael Pretes, PhD, University of North Alabama, *Church Attendance and the Friction of Distance.*

Wylmarie Cruz*, UPR Rio Piedras, *Distribution of Muslim Community in Puerto Rico.*

Allen Finchum*, Oklahoma State University, *King of the Geographic Hill.*

Cara Lynn Kowalski*, SUNY-Geneseo, *Stone Faces, Jesus Trees, and Bosomed Buttes: Symbolic Forms in the Landscape.*

Melissa Malouf Belz*, Kansas State University, *Architectural Adaptation: Process and Perception in Himachal Pradesh, India.*

Brittany Cook*, University of South Carolina, *CouchSurfing.com: Negotiating Ideas of Space, Risk, and Community.*

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- Nick Rose*, Oklahoma State University, *Coal's Impact on Poverty and Out-Migration in Appalachian Kentucky between 1990 and 2000.*
- Warren Sutcliffe*, Bridgewater State University, *Encroachment into a Nation: History of the Federal Government's movement of the tribal boundaries shown through the Mashpee Wampanoag Tribe of Massachusetts.*
- Simón Uribe*, The London School of Economics, *The winding ways of development: A historical ethnography of a road in the Putumayo region of Colombia.*
- Leandro Gonzalez*, New Mexico State University, *An Analysis of the Sociolinguistic Geography of Galicia, Spain.*
- Debra Kreitzer*, Western Kentucky University, *Spatial and Temporal Variations in Breeder and Ownership Characteristics for Kentucky Derby Winners, 1875-2010.*
- John Byron Strait, Associate Professor of Geography*, Sam Houston State University, *Poetics of Place from the Birthplace of the Blues: Blues Culture in the Mississippi Delta.*
- Angela Pochanasomburana*, University of Nebraska-Lincoln, *What factors that lead Thais decision to patronize Thai Restaurants in Bangkok.*
- Jimmy Lee Terry*, University of North Alabama; Michael Pretes, University of North Alabama, *The Geography of American Independent Film.*
- Keri Agriesti*, Virginia Tech; Maria Elisa Christie, Ph.D., Virginia Tech, *Political Ecology, Gendered Landscapes, and Sense of Place: Local Soil Knowledge and Access to Agricultural Resources in Smallholder Farming Communities in Cochabamba District, Bolivia.*
- David S. Salisbury*, University Of Richmond; Willian Flores de Melo, Universidade Federal do Acre; Jose Saito, Consultores Geomaticos; Grupo Regional de Monitoreo de Megaproyectos, Ucayali, Peru, *Modeling the Impacts of Transboundary Roads in Amazonia: A Case Study of the Proposed Peru-Brazil Sierra del Divisor Road.*
- Jack Morgan*, Appalachian State University, *The Geography of High School Cross Country in Virginia.*
- Jim Davis*, Eastern Illinois University; Christopher R. Laingen, Eastern Illinois University, *North vs. South: How Location, Distance, and Climate Affect Success of NCAA Baseball Teams.*
- Nadia Kaliszewski*, University of Wyoming, *Jackson Hole Trails Project Economic Impact Study.*
- 2624. Geographic Perspectives on Hydraulic Fracturing (Sponsored by Cultural and Political Ecology Specialty Group, Water Resources Specialty Group, Energy and Environment Specialty Group)**
- Room: 301 - Washington State Convention Center, Level 3
(Panel Session)
- ORGANIZER(S): Michael Finewood, Old Dominion University; Laura Jean Stroup, Texas State University
- CHAIR(S): Michael Finewood, Old Dominion University
- Panelists: Michael Finewood, Old Dominion University; Laura Jean Stroup, Texas State University; Andrew Brooks, City University of New York; Bradley B. Walters, Mount Allison University; Peter Vancura, Rutgers University; Sharon Moran, State Univeristy of New York - Env. Science and Forestry, Syracuse, NY; Jonnell Allen, Syracuse University
- 2625. Human Environment Interactions in the Borderlands (Sponsored by Cultural and Political Ecology Specialty Group, Latin America Specialty Group, Human Dimensions of Global Change Specialty Group)**
- Room: 302 - Washington State Convention Center, Level 3
(Panel Session)
- ORGANIZER(S): Kimberlee Chambers, Willamette University
- CHAIR(S): Kimberlee Chambers, Willamette University
- Panelists: Kimberlee Chambers, Willamette University; Eric P Perramond, Colorado College; Nathan F. Sayre, University of California, Berkeley; Margaret Wilder, University of Arizona; Juanita Sundberg, University of British Columbia; Jacob C. Brenner, Ithaca College
- 2626. Dendrochronology VIII: Dendropyrochronology (Sponsored by Paleoenvironmental Change Specialty Group, Biogeography Specialty Group)**
- Room: 303 - Washington State Convention Center, Level 3
(Paper Session)
- ORGANIZER(S): Christopher M. Gentry, Austin Peay State University; Stockton Maxwell, West Virginia University
- CHAIR(S): Stockton Maxwell, West Virginia University
- 4:40** Lori Daniels*, University of British Columbia-Vancouver; Mariano Amoroso, Ianigla ? Conicet, Mendoza, Argentina; Mohammad Bataineh, University of British Columbia-Vancouver; David Andison, Bandalloop Landscape Ecosystem Services, North Vancouver, Canada, *Preliminary Evidence of Mixed-Severity Fire Regimes on the East Slopes of the Rocky Mountains of West-Central Alberta.*
- 5:00** Gregory A. Greene*, University of British Columbia; Lori D. Daniels, University of British Columbia, *Fire History of the Darkwoods: Quantifying the Past to Plan for the Future.*
- 5:20** Ze'ev Gedalof*, University of Guelph, *Scale Dependencies in Fire Climate Relations and Vegetation Dynamics.*
- 5:40** Alan H Taylor, Ph.D*, Pennsylvania State University; John Sakulich, University of Tennessee; Lisa Gill, Penn State University, *Climatic influences on fire regimes and forest structure in Guadalupe Mountains National Park. Texas, USA.*
- 6:00** Stockton Maxwell, PhD*, The Pennsylvania State University; Alan H. Taylor, PhD, The Pennsylvania State University, *Fire-climate relationships in the Lake Tahoe Basin, California.*
- 2627. Hydrologic Response to Climatic Change and Variability (Sponsored by Climate Specialty Group, Africa Specialty Group)**
- Room: 304 - Washington State Convention Center, Level 3
(Paper Session)
- ORGANIZER(S): Aondover Tarhule, University of Oklahoma Department of Geography and Environmental Sustainability; Justin Goldstein, University of Oklahoma Department of Geography and Environmental Sustainability
- CHAIR(S): Aondover Tarhule, University of Oklahoma Department of Geography and Environmental Sustainability
- 4:40** Justin Goldstein, ABD*, University of Oklahoma Department of Geography and Environmental Sustainability; Aondover A Tarhule, PhD, University of Oklahoma Department of Geography and Environmental Sustainability, *The Hydrologic Response of a US Great Plains Catchment to the Hypothetical Production of Biofuel Crops.*

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- 5:00** Sarah Praskievicz*, University of Oregon, *Modeling Climate-Driven Changes in Hydrologic Variability in a Geomorphically Responsive Basin*.
- 5:20** Christopher Andrew Day*, Texas State University-San Marcos, *Modeling Snowmelt Runoff in Response to Climate Change in the Animas River Basin, Colorado*.
- 5:40** Nate Currit*, Texas State University - San Marcos, *Water Resource Vulnerability and Resilience in the Rio Conchos watershed*.
- 6:00** Aondover Tarhule, Ph.D.*, University of Oklahoma, *Runoff Response to Climatic Variability and Watershed Characteristics in the Upper Niger Basin*.

2628. CLAG Research session: New Developments in Amazonian Prehistory (Sponsored by Latin America Specialty Group, Cultural Geography Specialty Group, Historical Geography Specialty Group)

Room: 305 - Washington State Convention Center, Level 3
(Paper Session)

- ORGANIZER(S): David J. Robinson, Syracuse University
CHAIR(S): William I. Woods, University of Kansas
- 4:40** William I. Woods*, University of Kansas, *Population Estimates for Anthropogenically Enriched Soils (Amazonian Dark Earths)*.
- 5:00** Lilian Reballeto*, University of Kansas, *The Tupi Expansion into Central Amazonia*.
- 5:20** Clark Erickson*, University of Pennsylvania, *Wetlands as Domesticated Landscapes: Pre-Columbian Hydraulic Cultures in the Bolivian Amazon*.
- 5:40** William M. Denevan*, University of Wisconsin, *Implications of Recent Research on Pre-Columbian Amazonia*.

Discussant(s): William E. Doolittle, University of Texas

2629. International Planning and Urban Issues (Sponsored by Qualitative Research Specialty Group)

Room: 306 - Washington State Convention Center, Level 3
(Paper Session)

- ORGANIZER(S): Betty Elaine Smith, Eastern Illinois University;
Joel Outtes, UFRGS-Univ Fed Rio Gde Do Sul
CHAIR(S): Joel Outtes, UFRGS-Univ Fed Rio Gde Do Sul
- 4:40** Amit Bhattarai*, Urban and Regional Planning and Policy, The University of Sydney, *The Politics of Urban Ecological Footprint in Kathmandu, Nepal*.
- 5:00** Joel Outtes*, UFRGS-Univ Fed Rio Gde Do Sul, *Recent Scholarship on Economic Restructuring and its Spatial Impacts in the City-Region of Sao Paulo*.

Discussant(s): Krishna K. Shrestha, The University of Sydney

2630. Vegetation Dynamics III (Sponsored by Biogeography Specialty Group)

Room: 307 - Washington State Convention Center, Level 3
(Paper Session)

- ORGANIZER(S): Adam T. Naito, Texas A&M University;
William Flatley, Texas A&M University
CHAIR(S): Adam T. Naito, Texas A&M University
- 4:40** Susy Svatek Ziegler*, Northern Michigan University, *Vegetation Dynamics of Boreal Forests in Norway and Sweden*.
- 5:00** Kyra Engelberg*, CA State University, Long Beach;
Paul Laris, PhD, CA State University, Long Beach, *Anthropogenic Disturbance Regimes and Coastal Sage Scrub Recovery: Comparing the Long Term Impacts of Grazing and Cultivation in Southern California*.
- 5:20** Melanie B. Stine*, Texas State University-San Marcos;
Lynn M. Resler, Ph.D., Virginia Tech, *Ecotone Characteristics of Three Southern Appalachian Mountain Peatlands within the Cranberry Glades Botanical Area, WV*.

- 5:40** Gabrielle L. Katz*, Appalachian State University; Michael W. Denslow, Appalachian State University; Juliet C. Stromberg, Arizona State University, *Patterns of desert riparian plant diversity differ with temporal scale of analysis*.
- 6:00** Adam T. Naito*, Texas A&M University; David M. Cairns, Texas A&M University, *Characterizing and modeling patterns of patch-scale shrub expansion in the North Slope of Alaska*.

2631. Synoptic Climatology and Health Outcomes: New York State (Sponsored by Climate Specialty Group)

Room: 308 - Washington State Convention Center, Level 3
(Paper Session)

- ORGANIZER(S): Scott Sheridan, Kent State University
CHAIR(S): Scott Sheridan, Kent State University
- 4:40** Scott Sheridan*, Kent State University, *A synoptic climatological assessment of heat-related hospital admissions in New York State*.
- 5:00** Jeremy Spencer*, Kent State University, *Hypothermia-related Morbidity in New York State from 1991-2006: An Assessment Utilizing Spatial Synoptic Classification Weather Types*.
- 5:20** Cameron C. Lee*, Kent State University, *Relating Weather Types to Asthma-Related Hospital Admissions in New York State*.
- 5:40** Ashley Sedorovich*, Kent State University, *Spatial Synoptic Classification Weather Types and Global Oscillations Associated with Chronic Bronchitis Hospital Admissions in New York*.
- 6:00** Michael J. Allen*, Kent State University, *New York State: Examining Acute Bronchitis in Children* (.

2633. Geographies of Media and Communication (Sponsored by Communication Geography Specialty Group)

Room: 310 - Washington State Convention Center, Level 3
(Panel Session)

- ORGANIZER(S): Paul C. Adams, University of Texas at Austin
CHAIR(S): Paul C. Adams, University of Texas at Austin
Discussant(s): Matthew Zook, University of Kentucky
Panelists: Daniel Z. Sui, Ohio State University; Philip E. Steinberg, Florida State University; Jason Dittmer, University College London

2634. Human Geographies of the American South (Sponsored by Study of the American South Specialty Group)

Room: 3A - Washington State Convention Center, Level 3
(Paper Session)

- ORGANIZER(S): Jonathan Leib, Old Dominion University
CHAIR(S): Michael Lewis, University of North Carolina at Greensboro
- 4:40** Gerald R. Webster*, University of Wyoming; Stanley Brunn, University of Kentucky; Clark Archer, University of Nebraska, *Delineating the Bible Belt Geographic Region, 1971-2000*.
- 5:00** Katie Algeo*, Western Kentucky University, *Who Bought the Park? The Geography of Fund-Raising for Mammoth Cave National Park*.
- 5:20** Jonathan Leib*, Old Dominion University; Michael Clemons, Old Dominion University, *Touring Nat Turner: Race and Public Memory in Southampton County, Virginia*.
- 5:40** Thomas L. Bell*, Univ of TN/Western KY Univ, *Strategies for Economic Improvement in Appalachia's Distressed Rural Counties*.
- 6:00** Thomas Chapman, Ph.D.*, Old Dominion University, *Sexual Politics and the Sunshine State: Political Geographies of Florida's Marriage Protection Amendment*.

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- 2635. Journal of Geography in Higher Education Annual Lecture: Geography and the Changing Landscape of Higher Education (Sponsored by International Network for Learning & Teaching Geography in Higher Education (INLT))**
Room: 3B - Washington State Convention Center, Level 3
(Paper Session)
ORGANIZER(S): Derek France, University of Chester; Robert S. Bednarz, Texas A&M University
CHAIR(S): Derek France, University of Chester
Introducer: Derek France
4:45 Rodney A Erickson*, Pennsylvania State University, *Geography and the Changing Landscape of Higher Education*.
Discussant(s): David Higgitt, National University of Singapore
- 2636. GIS Specialty Group Honors Student Paper Competition (Sponsored by Geographic Information Science and Systems Specialty Group, Remote Sensing Specialty Group, Cartography Specialty Group)**
Room: 201 - Washington State Convention Center, Level 2
(Paper Session)
ORGANIZER(S): Jin-Kyu Jung, University of Washington Bothell
CHAIR(S): Jin-Kyu Jung, University of Washington Bothell
4:40 Ruopu Li*, University of Nebraska-Lincoln; James Merchant, University of Nebraska-Lincoln; Qingfeng Guan, University of Nebraska-Lincoln; Robert Oglesby, University of Nebraska-Lincoln; Xun-Hong Chen, University of Nebraska-Lincoln, *Understanding Groundwater Vulnerability in the Context of Future Climate Change and Biofuels-related Land Use Change*.
5:00 Bryan Preston, Graduate Student*, Ball State University, *Locating and Understanding the Edible Landscape South of the Tracks in Muncie, Indiana*.
5:20 Crystal English*, California State University Northridge, *A Topographic Approach to Property Offences in Atlanta, Georgia*.
5:40 Lynnette X Li*, Missouri State University, *The Relationship between Lead and Academic Performance in Missouri: A Geographic Perspective..*
6:00 Nicholas Malizia*, Arizona State University; Elizabeth A. Mack, Ph.D., Arizona State University, *Enhancing the Jacquez k Nearest Neighbor Test for Space-Time Interaction*.
- 2638. Food Security in Developing World Cities (Sponsored by Urban Geography Specialty Group, Development Geographies Specialty Group)**
Room: 203 - Washington State Convention Center, Level 2
(Paper Session)
ORGANIZER(S): Liam Riley, University of Western Ontario; Alexander Legwegoh, University of Guelph
CHAIR(S): Alexander Legwegoh, University of Guelph
4:40 Liam Riley*, University of Western Ontario, *Place, mobility, and gendered food access in Blantyre, Malawi*.
5:00 Alexander Legwegoh*, University of Guelph; Alice J. Hovorka, University Of Guelph, *Measuring Dietary Diversity in African Cities*.
5:20 Alice J. Hovorka*, University Of Guelph, *Feminist Foodscapes: Understanding Urban Food Security in Africa*.
5:40 Jennifer Vansteenkiste*, University of Western Ontario, *The space of Haitian urban agriculture: a women's perspective..*
6:00 Anna Carla Lopez-Carr*, San Diego State University, *Exploring alternative dimensions of urban food security: space, time, and feminist geographies in Accra, Ghana*.
- 2639. Climate change and security**
Room: 204 - Washington State Convention Center, Level 2
(Paper Session)
ORGANIZER(S): Andrew Baldwin, Durham University; Emily Gilbert, University of Toronto
CHAIR(S): Andrew Baldwin, Durham University
Discussant(s): Simon Dalby, Carleton University
Panelists: Emily Gilbert, University of Toronto; Belinda Dodson, University Of Western Ontario; Julian DM Reid, University of Lapland
- 2640. New Immigrant Destinations in the U.S. V: Spaces and Politics of Integration (Sponsored by Political Geography Specialty Group, Urban Geography Specialty Group, Cultural Geography Specialty Group)**
Room: 205 - Washington State Convention Center, Level 2
(Paper Session)
ORGANIZER(S): Monica Varsanyi, City University of New York; Lise Nelson, University of Oregon
CHAIR(S): Jennifer Mendez
4:40 Jack Schemenauer, 4th Year Geography Students*, Ohio Wesleyan University; David M Walker, PhD, Ohio Wesleyan University, *Immigrantification: Somali and Latino lead urban revitalization of a Mid-Western City*.
5:00 David R Mason*, UCLA Department of Urban Planning, *Immigrants and planning: toward inclusive civil society*.
5:20 Pablo Bose*, University of Vermont, *Refugees and Newcomers in a Changing Vermont*.
5:40 Patricia M. Martin*, Université de Montréal; Annie Lapalme, Université de Montréal; Mayra Roffe Gutman, Université de Montréal, *Mexicans asylum seekers in Montréal: Acts of citizenship within the North American Geopolitical Space?.*
Discussant(s): Liette Gilbert, York University
- 2641. Academia Insurgent II: Emancipating Education in Seattle (Sponsored by Socialist and Critical Geography Specialty Group)**
Room: 206 - Washington State Convention Center, Level 2
(Paper Session)
ORGANIZER(S): Elizabeth Johnson, University of Minnesota - Minneapolis; Eli Meyerhoff, University of Minnesota
CHAIR(S): Eli Meyerhoff, University of Minnesota
Panelists: David Spataro, City University of New York; Robert Hunter Jackson, CUNY Graduate Center; Pierpaolo Mudu, Università Di Roma; Iona Moore, University of Minnesota
- 2642. Sensational Marxisms: Towards a Communism of the Senses III**
Room: 211 - Washington State Convention Center, Level 2
(Paper Session)
ORGANIZER(S): Alex Loftus, Royal Holloway, University of London; Erik Swyngedouw, University of Manchester
CHAIR(S): Erik Swyngedouw, University of Manchester
Introducer: Erik Swyngedouw
5:00 Stacy Douglas*, Kent Law School, *A Sense of the World: Museums, Constitutions, and the Aesthetics of Political Community*.
5:20 Jonathan Goldberg-Hiller, Ph.D.*, University of Hawaii, *Sensation and plasticity: towards a metamorphic critique of colonial reason*.
5:40 Brenna Bhandar*, Kent Law School; Brenna H Bhandar, Lecturer, Kent Law School, UK, *Somacognition: race, capital and the re-making of the sensuous subject*.
6:00 Denise Ferreira Da Silva, PhD*, Queen Mary-University of London, *Notes Towards a Racial Critique of Global Existencia: Tracking the Woman and the Slave in the Global Juridical Text*.

WEDNESDAY, APRIL 13 • 4:40 PM - 6:20 PM • 2600**2643. The Evolving Landscapes of the Niagara Wine Region (Sponsored by Geography of Wine Specialty Group)**

Room: 212 - Washington State Convention Center, Level 2
(Paper Session)

ORGANIZER(S): Gregory V. Jones, Southern Oregon University
CHAIR(S): Tony Shaw, Brock University

4:40 Michael Ripmeester*, Brock University, *Creative Heritage: Niagara's Grape and Wine Industry and Local Identity.*

5:00 Phillip Gordon Mackintosh*, Brock University, *Niagara's tasting menu: pairing Niagara wine with public space in St. Catharines.*

5:20 Dr. Tony B Shaw, Professor*, Brock University, *The Impact of Climate Change on Ontario's Wine Regions.*

5:40 Hugh Gayler*, Brock University, *The challenges of promoting a Canadian wine culture.*

2644. The competition for global talent: Trends in international skilled migration (Sponsored by Political Geography Specialty Group, Population Specialty Group, Ethnic Geography Specialty Group)

Room: 213 - Washington State Convention Center, Level 2
(Paper Session)

ORGANIZER(S): Micheline Van Riemsdijk, University of Tennessee; Heike Alberts, University of Wisconsin-Oshkosh

CHAIR(S): Heike Alberts, University of Wisconsin-Oshkosh

4:40 Heike C. Alberts*, University of Wisconsin-Oshkosh, *Transnational Teams: How Changes in Citizenship Regulations have transformed European National Sports Teams.*

5:00 Micheline Van Riemsdijk*, University of Tennessee, *The Global Competition for Talent: Destination Choices of IT Specialists.*

5:20 Michael C. Ewers*, Texas A&M University Department of Geography, *Global hubs for talent: attracting foreign knowledge for local development in the Arab Gulf States.*

5:40 Wan Yu*, Arizona State University, *Brain Circulation of Global Talents? Students Migrants Between China and the U.S..*

Discussant(s): Heike Joens, Loughborough University

2645. Tribute to Robin Davidson-Arnott III: Aeolian Transport and Coastal Dunes (Sponsored by Coastal and Marine Specialty Group, Geomorphology Specialty Group)

Room: 214 - Washington State Convention Center, Level 2
(Paper Session)

ORGANIZER(S): Chris Houser, Texas A&M University; Jean Taylor Ellis, University of South Carolina

CHAIR(S): Jean Taylor Ellis, University of South Carolina

4:40 Connie Chapman, BSc.*, University of Victoria; Ian J. Walker, PhD, University of Victoria; Bernard Bauer, PhD, University of British Columbia - Okanagan; Patrick Hesp, PhD, Louisiana State University; Robin Davidson-Arnott, PhD, University of Guelph; Jeff Ollerhead, PhD, Mount Allison University, *Three-dimensional airflow behaviour and sand transport responses over a vegetated foredune, PEI National Park, Canada..*

5:00 Jordan B.R. Eamer, BSc*, UVic; Ian B. Darke, MSc, University of Victoria; Ian J. Walker, PhD., University of Victoria, *Morphodynamic and sediment budget responses of a foredune-transgressive dune complex to invasive vegetation removal, Pacific Rim National Park Reserve, British Columbia, Canada.*

5:20 Ian B Darke, M.Sc.*, University of Victoria; Jordan B.R. Eamer, B.Sc., University of Victoria; Ian J Walker, Ph.D., University of Victoria, *Dynamic restoration of a foredune-transgressive dune complex, Pacific Rim National Park Reserve, British Columbia, Canada.*

5:40 Eugene J Farrell*, Texas A&M University; Douglas J Sherman, Texas A&M University, *Settling velocity of sand sized particles in air: a review.*

6:00 Bailing Li*, Texas A&M University; Douglas J. Sherman, Texas A&M University, *Aerodynamics of Sand Fences.*

2646. Representation and Production: Perspectives on Gender, Development, and Place

Room: 2A - Washington State Convention Center, Level 2
(Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Nicholas Padilla

4:40 C S. Sundaresan*, *Survival of Small Farmer Livelihoods in an Era of Masked Development: Reflections from selected Indian Contexts.*

5:00 Madeleine Eriksson*, Umeå University, Department of Social and Economic Geography, *Reproducing class, ethnicity and gender in the Swedish North.*

5:20 Levi Gahman*, The University of British Columbia, *It Will Make a Man Out of You: Hegemony, Patriarchy, Neoliberal Ideology and the Production of Rural Masculinities.*

5:40 Emily C Kaufman*, Syracuse University; Lise Nelson, PhD, University of Oregon, *Malthus, Gender, and the Demarcation of 'Dangerous' Bodies in 1996 US Welfare Reform.*

6:00 Nicholas Padilla, PhD student*, University of Wisconsin-Milwaukee, *Eradicating spaces of coca culture: the discursive creation of drugs in Colombia.*

2647. Remote Sensing and Spatial Analysis

Room: 2B - Washington State Convention Center, Level 2
(Illustrated Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Xue Li

4:40 Donald Rundquist*, University of Nebraska-Lincoln; Anatoly Gitelson, University of Nebraska-Lincoln; Bryan Leavitt, University of Nebraska-Lincoln; Arthur Zygielbaum, University of Nebraska-Lincoln; Richard Perk, University of Nebraska-Lincoln; Galina Keydan, University of Nebraska-Lincoln, *An Integrated System for Leaf, Canopy, and Field Level Monitoring of Crop Status.*

4:48 Katherine C Malpeli*, United States Geological Survey, *Assessing Alluvial Diamond Mining Activities in the Marange District of eastern Zimbabwe using Satellite Imagery.*

4:56 Thomas Moran*, U.S.G.S., *Application of ALOS PALSAR RADAR data for delineating soil types and land cover in Savannah, GA.*

5:04 Justin L Kirsch*, University of Washington - College of the Environment; L. Monika Moskal, University of Washington; Alexandra Kazakova, University of Washington; Dylan G Fischer, The Evergreen State College, *Calibrating estimates of above- and belowground forest metrics using LiDAR in a Pacific Northwest forest.*

5:12 Stacy Curry*, US Geological Survey; Christopher J Cole, Parallel, Inc.; Beverly A Friesen, US Geological Survey, *Integrating High-Resolution Electro-Optical and Lidar Data to Characterize Conifer Forest Cover, Health and Structure in Grand County, Colorado.*

5:20 Kevin Macleod*, University of South Carolina; Periann Russell, North Carolina Division of Water Quality, *Modeling Intermittent and Perennial Headwater Stream Origins in North Carolina..*

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- 5:28** Yingxin Gu*, ASRC Research & Technology Solutions, Contractor to the U.S. Geological Survey (USGS) Earth Resources Observation and Science (EROS) Center; Bruce K. Wylie, USGS EROS, *The relationship between satellite-derived growing season NDVI and SSURGO grassland productivity over the Greater Platte River Basin: connecting satellite observation to biomass productivity.*
- 5:36** Xue Li*, Michigan State University; Joseph Messina, Michigan State University, *Space-time error structures of MODIS land cover map products and application propagation: A case study for Urumqi, China.*
- 5:44** Xiaojun Yang*, Florida State University, *Mapping Urban Settlements of Desert Cities from Satellite Imagery.*
- 5:52** Liding Chen*, Research Center For Eco-Environmental Sciences, CAS; Ranhao Sun, Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences; Ailian Chen, Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences, *The Effects of Wetland Configuration and Location on Temperature Regulation: A Case Study in Beijing.*
- 2650. Emerging Ideas in GIS Instruction (Sponsored by Geographic Information Science and Systems Specialty Group, Geography Education Specialty Group)**
Room: Boren - Sheraton Hotel, Union Tower, Fourth Floor (Paper Session)
 ORGANIZER(S): Diana Stuart Sinton, University of Redlands; Jeff Howarth
 CHAIR(S): Diana Stuart Sinton, University of Redlands
4:40 Diana Stuart Sinton*, University of Redlands, *Setting the Stage for GIS Learning.*
5:00 Lynn Songer*, Lane Community College; Adam Lake*, University of Oregon, *Web-based GIS: Scaffolding for Desktop GIS.*
5:20 Tora Johnson, BS, MPhil*, University of Maine at Machias, *Heuristic Problem Solving in GIS Instruction: Helping Students Confidently Meet Complex and Novel Challenges.*
5:40 Jeff Howarth*, Middlebury College, *Choreographing concepts to teach GIS and foster spatial thinking.*
6:00 Brandon Vogt*, University of Colorado Colorado Springs; Paddington Hodza, University of Colorado Colorado Springs, *Using Digital Earth to excite students about GIScience.*
- 2651. Scalar Geographies of Moral Regulation III (Sponsored by Political Geography Specialty Group, Sexuality and Space Specialty Group)**
Room: Columbia - Sheraton Hotel, Union Tower, Fourth Floor (Paper Session)
 ORGANIZER(S): Michael P. Brown, University of Washington; Stephen Legg, University of Nottingham
 CHAIR(S): Stephen Legg, University of Nottingham
4:40 Michael Brown*, University of Washington; Lawrence Knopp*, University of Washington Tacoma, *Did AIDS change everything? Shadow-state geographies of governmentality.*
5:00 Eric Olund*, University of Sheffield, *Sexual Regulation in a Federal Nation-State.*
5:20 Ted Rutland*, Concordia University, *Terrains of Struggle: The "Council Idea" in Reform-Era Campaigns for Citizenship and Moral Regulation.*
5:40 Philip Howell*, University of Cambridge, *Rewriting the Government of Morals: Scale, Networks and the Moral Regulation of Empire.*
- 2652. Human-Environment Interactions in the Himalayas (Sponsored by Cultural and Political Ecology Specialty Group)**
Room: Jefferson - Sheraton Hotel, Union Tower, Fourth Floor (Paper Session)
 ORGANIZER(S): Harry Fischer, University of Illinois Urbana Champaign
 CHAIR(S): Ashwini Chhatre, University of Illinois at Urbana-Champaign
4:40 Lindsay Skog*, University of Colorado at Boulder, *Beyul Khumbu: Sherpa Constructions of a Sacred Landscape.*
5:00 Mabel Denzin Gergan*, UNC-Chapel Hill, *The 'Vanishing' tribe: Survival and Resistance against large dams in the Eastern Himalayas, India...*
5:20 Harry Fischer, MA*, University of Illinois Urbana Champaign; Ashwini Chhatre, PhD, University of Illinois Urbana Champaign, *The multiple dimensions of vulnerability: Livelihoods, assets, and institutions in the Indian Himalayas.*
5:40 Greg Burton*, University of Illinois, *Not your father's market-based utility maximization model: introducing crop diversity and social norms as drivers of agricultural land use decisions in an Indian case study.*
 Discussant(s): Barbara Brower, Portland State University
- 2654. Performing provenance in contemporary food geographies 3**
Room: Pike - Sheraton Hotel, Union Tower, Fourth Floor (Panel Session)
 ORGANIZER(S): Peter A. Jackson, University of Sheffield; Richard Le Heron, University of Auckland
 CHAIR(S): Hugh Campbell, University of Otago
 Panelists: Christopher Rosin, Centre for the Study of Agriculture, Food, and the Environment; Harvey C Perkins, Lincoln University; Hugh Campbell, University of Otago
- 2656. Emerging Methods for the Study of Coastal Landscape Structure and Change (Sponsored by Remote Sensing Specialty Group, Coastal and Marine Specialty Group)**
Room: Seneca - Sheraton Hotel, Union Tower, Fourth Floor (Interactive Short Paper Session)
 ORGANIZER(S): Jeffrey J. Danielson, United States Geological Survey
 CHAIR(S): John Brock, USGS
4:40 Vivian Queija*, United States Geological Survey, *Application of Ground-Based Lidar for Accuracy Assessment in the Creation of Topobathymetric Model for the Northern Gulf of Mexico (NGOM)..*
4:45 Amar Nayegandhi*, Jacobs - US Geological Survey; John Brock, USGS; Vivian Queija, USGS; C. Wayne Wright, USGS, *Use of ground-based lidar to improve bare earth acquired from airborne lidar data in wetland environments.*
4:50 Jeffrey J. Danielson*, United States Geological Survey, *Creation of a Topobathymetric Model for the Northern Gulf of Mexico (NGOM) Centered on Mobile Bay.*
4:55 Molly Reif*, USACE, ERDC/EL, JALBTCX; Christopher Macon, USACE/Mobile District, JALBTCX; Bruce Sabol, USACE, ERDC/EL; Deborah Shafer, USACE, ERDC/EL; Jennifer Wozencraft, USACE, ERDC/CHL, JALBTCX, *Airborne Sensor Fusion for Coastal Landscape Applications.*
5:00 Brady Couvillion*, USGS National Wetlands Research Center; Nadine Trahan, IAP World Services, Inc., U.S. Geological Survey, National Wetlands Research Center; Holly Beck, IAP World Services, Inc., U.S. Geological Survey, National Wetlands Research Center, *Hyper-temporal Analysis of Wetland Loss in Coastal Louisiana..*

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- 5:05** Kathryn E.L. Smith*, U.S. Geological Survey; James G. Flocks, U.S. Geological Survey; Gregory D. Steyer, U.S. Geological Survey; Sarai C. Piazza, U.S. Geological Survey, *Distribution of diatoms in the coastal wetlands of southwest Louisiana and their potential use as sea-level indicators.*
- 5:10** Andrew Muller*, United States Naval Academy, *Space-Time Analysis of Hypoxia and Anoxia in a Tidal Tributary of the Chesapeake Bay: Visualizing Estuarine Habitat Squeezing.*
- 5:15** Cindy Thatcher*, USGS; John Brock, PhD, USGS, *An Evaluation of the Sea Level Affecting Marshes Model Applied in Mobile Bay, Alabama.*
- 5:20** Christopher G. Smith*, U.S. Geological Survey; Lisa E. Osterman, U.S. Geological Survey; Richard Z. Poore, U.S. Geological Survey, *Quantifying Marsh Sedimentation Rates From The Mobile River Delta And Bay Region.*
- 5:25** Cristina Mazza*, University of South Florida; Jennifer M. Collins, Dr., University of South Florida; Charles H. Paxton, National Weather Service, University of South Florida, *Sea Breeze and Associated Wind Regimes Affecting Rainfall Patterns and Severe Weather in Pinellas County, FL.*
- 5:30** David Donato*, United States Geological Survey, *Modeling Future Urban Change along the Northern Gulf of Mexico Coast.*

2658. Writing creatively: Process, practice, and product (Sponsored by Qualitative Research Specialty Group, Geographic Perspectives on Women Specialty Group, Cultural Geography Specialty Group)

- Room:* University - Sheraton Hotel, Union Tower, Fourth Floor (Panel Session)
- ORGANIZER(S): Dydia DeLyser, Louisiana State University; Harriet Hawkins
- CHAIR(S): Harriet Hawkins
- Introducer: Harriet Hawkins
- Panelists: Ian Cook, University of Exeter; Tim Cresswell, Royal Holloway, University of London; Dydia DeLyser, Louisiana State University; John-David C. Dewsbury, University Of Bristol; Robert Kitchin, National University Of Ireland; Sallie A. Marston, University of Arizona

2659. Residential and Social Mobility (Sponsored by Population Specialty Group)

- Room:* Virginia - Sheraton Hotel, Union Tower, Fourth Floor (Paper Session)
- ORGANIZER(S): Rachel S. Franklin, Brown University
- CHAIR(S): Karen M King, University of Toronto
- 4:40** Mohammed Taher Alyousef, Dr.*, King Saud University, *Spatial Pattern Analysis of Residential Mobility in Medium Size Saudi Cities, The case of AlQatif City..*
- 5:00** Eryn Duffield, BSc*, University of Florida, *Second Generation Haitian Immigrants and Issues of Social Mobility and Success in South Florida.*
- 5:20** Mehmet Ragip Kalelioglu, Ankara University, Department of Geography; Nuri Yavan*, Ankara University, Department of Geography; E. Murat Ozgur, Ankara University, Department of Geography, *Urban Mobility and Residential Satisfaction: The Case of the City of Bolu, Turkey.*
- 5:40** Jamie Goodwin-White*, Oxford University, *Geographies of Social Mobility and Migration.*
- 6:00** Karen M King*, University of Toronto; Iris Migyung Lee, University of Toronto, *The Geographic Variation of Earning Differentials in Canada: A Comparison of Immigrants and the Canadian-born in 2006.*

2661. Land Use Planning at the Local Scale (Sponsored by Regional Development and Planning Specialty Group)

- Room:* Ballard - Sheraton Hotel, Pike Tower, Third Floor (Paper Session)
- ORGANIZER(S): Jennifer Pomeroy, University of Maryland
- CHAIR(S): Jennifer Pomeroy, University of Maryland
- 4:40** Renaud Le Goix, Dr*, University Paris 1 Pantheon-Sorbonne, *Suburbs beyond "loops and lollipops". A trend analysis of street patterns and density in suburban residential subdivisions in Southern California.*
- 5:00** Domenech Aran, Dr.*, Geography Department, Universitat Autònoma de Barcelona. Department of Landscape Architecture, Beijing University.; Jack F. Ahern, Dr., Landscape Architecture and Regional Planning Dept. University of Massachusetts, Amherst.; Montserrat Pallares-Barbera, Dr., Geography Department, Universitat Autònoma de Barcelona., *Planning the optimum desirable land uses in peri-urban East Coast landscapes (USA) using the Aggregate-with-Outliers spatial concept.*
- 5:20** Samuel Thompson*, Western Illinois University; Keisuke Nozaki, Western Illinois University; Janice Emmons, Western Illinois University, *Can a Sports Stadium Remedy Urban Blight? The Case of Peoria, Illinois.*
- 5:40** Katie J Bills*, University of Victoria; Christopher Cusack*, Keene State College, *Enter to Learn, Go Forth to Preserve: Undergraduate Service Learning and Historic Preservation.*
- 6:00** Jennifer Pomeroy*, University of Maryland, *Analyzing Municipal Annexations and Its Landscape Impact in Frederick and Caroline Counties of Maryland, 1990-2009.*

2664. Representing and Imagining the City - III (Sponsored by Landscape Specialty Group, Urban Geography Specialty Group)

- Room:* Fremont - Sheraton Hotel, Union Tower, Third Floor (Paper Session)
- ORGANIZER(S): Jun-Jei Nu, University of Wisconsin - Madison; Nate Millington, University of Kentucky Geography
- CHAIR(S): Jun-Jei Nu, University of Wisconsin - Madison
- 4:40** N Jade Gibson*, University of the Western Cape, Cape Town, South Africa, *The Materiality of Social Imaginaries in Cape Town: Reshaping Spaces and Selves in South Africa's Present.*
- 5:00** Timothy P Shannon*, Ohio State University, *Discursive struggles over physical barriers: interpreting 'gating' in Cape Town, South Africa.*
- 5:20** Sigrid Peterson*, University of Wisconsin-Madison Department of Geography, *Branding American Heritage on the City.*
- 5:40** Alexander Tarr, PhD Candidate*, UC Berkeley Geography, *Garden Cities of To-morrow v2.0.*
- 6:00** Matthew J Moehr*, University of Wisconsin-Madison, *Defining Neighborhoods with Geo-referenced Photographs in Flickr.*

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- 2665. China in Transition III: Globalization, Cities and Regional Development (Sponsored by China Specialty Group, Asian Geography Specialty Group, Economic Geography Specialty Group)**
Room: *Greenwood - Sheraton Hotel, Union Tower, Third Floor*
(Paper Session)
ORGANIZER(S): Yehua Dennis Wei, University of Utah
CHAIR(S): Susan M. Walcott, University of North Carolina-Greensboro
4:40 Anthony G.O. Yeh*, Centre of Urban Studies & Urban Planning, The University of Hong Kong; Fiona Yang, Centre of Urban Studies & Urban Planning, The University of Hong Kong, *The Development of Producer Services in the Chinese Urban System.*
5:00 Brad Dearden, Associate Professor*, University of Maine Farmington, *Moving spaces of commerce: Images of the economic in Beijing transport city-space.*
5:20 Ling Zhang*, University of Utah; Yehua Dennis Wei, Dr., University of Utah, *Spatial Distribution of Hypermarkets in Shanghai.*
5:40 Changhong Miao*, Center for Yellow River Civilisation and Sustainable Development & College of Environment and Planning, Henan University, *Globalization and the Making of Mega-city Regions in Inland China: A Case Study of Zhengzhou.*
6:00 Susan M. Walcott, Dr.*, University of North Carolina-Greensboro; Ying Chen, Dr., Shaanxi Normal University, *China's West Develops: Producer Services in Metropolitan Xi'an.*
- 2666. Environmental Health: Air and Water Pollution (Sponsored by Health and Medical Geography Specialty Group)**
Room: *Issaquah A - Sheraton Hotel, Union Tower, Third Floor*
(Paper Session)
ORGANIZER(S): Program Committee
CHAIR(S): Chantel Sloan, Stony Brook University
4:40 Daniel W Goldberg, PhD*, University of Southern California, *Environmental Exposure Estimation with Spatially-Based Geocode Quality Metrics.*
5:00 Zhiyong Hu*, University of West Florida, *Integration of remote sensing and surface data for assessing the association between particulate matter pollution and health.*
5:20 Jennifer Stevens*, Student / Rutgers, *The Politics of Groundwater Pollution: Scarcity and Contamination in California.*
5:40 Chantel D. Sloan, PhD*, Vanderbilt University Department of Medicine; Ed Mitchel, BS, Vanderbilt University Department of Preventive Medicine; Tina V. Hartert, MD, MPH, Vanderbilt University Department of Medicine, *Spatiotemporal Modeling of the Influence on Seasonal Air Pollution on Childhood Asthma Exacerbations in Tennessee.*
- 2667. Severe Weather in the USA**
Room: *Issaquah B - Sheraton Hotel, Union Tower, Third Floor*
(Paper Session)
ORGANIZER(S): Program Committee
CHAIR(S): Steven Curran, University of Wisconsin-Whitewater
4:40 Greg Gaston*, Univ. of North Alabama, *Assessing patterns in severe weather across the United States.*
5:00 David M. Hondula*, The University of Virginia; Robert E. Davis, Ph.D., The University of Virginia, *A Closer Look at Heat-Related Mortality in the United States.*
5:20 Nancy E Westcott, PhD*, Illinois State Water Survey, *The 1954 Midwestern United States Summer Heat Wave: Description, Historical Setting, and Impacts.*
5:40 Steven Curran*, University of Wisconsin-Whitewater; James O'Brien, Dr., Kingston University, *Tornado Climatology of Injury and Death.*
- 2668. Electric Mobility 2: The Role of Multimodality and E-Bikes/ Pedelecs (Sponsored by Transportation Geography Specialty Group)**
Room: *Kirkland - Sheraton Hotel, Union Tower, Third Floor*
(Paper Session)
ORGANIZER(S): Rainer Rothfuß; Martin Lanzendorf
CHAIR(S): Rainer Rothfuß
4:40 Christian Rudolph*, Technical University Hamburg-Harburg, *Change of Daily Travel Behavior facing E-Mobility - Scenarios based on case studies of the German automotive and energy industry as well as on e-mobility programs of urban and federal administrations.*
5:00 Thomas Prill*, Goethe-Universität Frankfurt am Main; Martin Lanzendorf, Goethe-Universität Frankfurt am Main; Stephanie Schubert, urbane konzepte GmbH, *Will E-Bikes make a transport system more sustainable? A literature review and first empirical results from the Rhine-Main model region for electric mobility.*
5:20 Jessica Le Bris*, University of Tübingen, *Sustainable Modes of Mobility: Electric Mobility and Pedelecs.*
5:40 Jutta Deffner, Dr*, Institute for social-ecological Research ISOE; Konrad Goetz, Dr, Institute for social-ecological Research ISOE, *Paths towards post carbon mobility - momentum for transitions.*
- 2669. Urban form, urban structure, and sustainable transportation (Sponsored by Transportation Geography Specialty Group)**
Room: *Leschi - Sheraton Hotel, Union Tower, Third Floor*
(Paper Session)
ORGANIZER(S): Julie Cidell, University of Illinois
CHAIR(S): Michael Niedzielski, University of South Florida
4:40 Jiawen Yang*, Georgia Institute of Technology, *Polycentric Development in US Metropolitan Areas: Measuring Polycentricity and its Transportation Impacts.*
5:00 Michael Niedzielski*, University of South Florida, *Home and neighborhood preferences in urban structure explanations of commuting.*
5:20 Julien Grunfelder*, University of Copenhagen, Denmark; Thomas Sick Nielsen, University of Copenhagen, Denmark; Tim Schwanen, University of Oxford, The United Kingdom, *Commuting distance and urban structure: over time study in two Danish functional regions.*
5:40 Jonathan David Egger, MA in Geography and Planning*, West Chester University of Pennsylvania, *Reinstating Regional Rail Service to West Chester, Pennsylvania.*
6:00 Paisly Di Bianca*, Northeastern Illinois University, *The Japanese Train Station? A Model for Integrative Commuting.*

WEDNESDAY, APRIL 13 • 4:40 PM - 6:20 PM • 2600**2670. Urban Runoff and Pollution**

Room: Medina - Sheraton Hotel, Union Tower, Third Floor

(Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Jun Yan, Western Kentucky University

4:40 Zhi-Jun Liu, Ph.D.*, University of North Carolina at Greensboro, *Influences of Urbanization on Long-term Streamflow Patterns in the Three Physiographic Provinces of North Carolina.*

5:00 Erin K Jones*, Northeastern Illinois University, *Assessing the Use of GEOMELT as an Alternative Road Deicer in the Chicago Area.*

5:20 Mengyao Zhang*, *The Influences of TCE in Endicott, Broome County, NY.*

5:40 Nally Kaunda Bukonya, GISP*, Alabama A&M University; Wubishet Tadesse, PhD, GISP, Alabama A&M University; Teferi Tsegaye, PhD, Alabama A&M University; Yong Wang, PhD, Alabama A&M University; Connie Wilson, PhD, Alabama A&M University, *Presenting a Customized Spatial Decision Support System (SDSS) for Urban Stormwater Management and Water Quality Assessment- Using Huntsville, AL as a Case Study.*

6:00 Jun Yan*, Western Kentucky University; Allison Ross, US Army Corps of Engineers Nashville District, *Modeling Stormwater Pollutant Transport in a Kast Region - Bowling Green, Kentucky.*

2671. Climate Specialty Group John Russell Mather Paper of the Year Presenter (Sponsored by Climate Specialty Group)

Room: Metropolitan Ballroom A - Sheraton Hotel, Third Floor

(Paper Session)

ORGANIZER(S): Mark D. Schwartz, University Of Wisconsin - Milwaukee

CHAIR(S): Mark D. Schwartz, University Of Wisconsin - Milwaukee

2672. The Singapore Journal of Tropical Geography Lecture: Towards a Critical Poverty Studies

Room: Metropolitan Ballroom B - Sheraton Hotel, Third Floor

(Paper Session)

ORGANIZER(S): Tracey Skelton, National University of Singapore

CHAIR(S): Tracey Skelton, National University of Singapore

Introducer: Tracey Skelton

4:55 Victoria A. Lawson*, University of Washington, *Towards a Critical Poverty Studies: middle class poverty politics across the Americas.*

Discussant(s): Tracey Skelton, National University of Singapore

2673. Predicting Plant Physiology

Room: Queen Anne - Sheraton Hotel, Union Tower, Third Floor

(Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Patrick Kahn, UCLA

4:40 Yuan Zhang*, University of Utah; George F. Hepner, University of Utah, *A Rangeland Phenological Prediction Model for the Upper Colorado River Basin.*

5:00 Curt Holder*, University Of Colorado, Colorado Springs, *The hydrological significance of leaf hydrophobicity and canopy storage capacity between common species in the semi-arid Western United States.*

5:20 Sarah E Lawlor*, Miami University; Mary C Henry, Miami University; David L Gorchoy, Miami University, *Using Advanced Land Imager (ALI) for the detection of the invasive shrub *Lonicera maackii* in Southwestern Ohio Forests.*

5:40 Jennifer L.R. Jensen, Ph.D.*, Texas State University - San Marcos, *Lidar Prediction of Leaf Area Index in a Sagebrush-Steppe Ecosystem.*

6:00 Patrick Kahn, M.A.*, UCLA; Greg Okin, PhD, UCLA; Haim Tsoar, PhD, Ben Gurion University of the Negev, *Effects of Sandblasting on Leaf and Plant Level Physiology of American and Israeli Desert Plants.*

2674. For Julie Graham: The Next Generation (Sponsored by Geographic Perspectives on Women Specialty Group, Economic Geography Specialty Group)

Room: Ravenna - Sheraton Hotel, Union Tower, Third Floor

(Paper Session)

ORGANIZER(S): Leo Hwang-Carlos, University of Massachusetts, Amherst

CHAIR(S): Stephen Healy, Worcester State University

4:40 Robert Snyder*, Island Institute, *Thinking together: a politics of possibility enabled through ocean energy siting.*

5:00 Abby Templer*, University of Massachusetts Amherst; Leo L. Hwang-Carlos*, University of Massachusetts, Amherst, *Rethinking the Creative Economy: Participatory Action Research with Artists and Artisans in the Greater Franklin County.*

5:20 Timothy Sutton*, University of Massachusetts, Amherst, *Community media and the commons.*

5:40 Fadia Hasan*, University of Massachusetts, Amherst, *Sustainability and the "Borderlands": New Directions in Ecology and Biodiversity.*

2675. The Best Tourism Places (Sponsored by Recreation, Tourism, and Sport Specialty Group)

Room: Wallingford - Sheraton Hotel, Union Tower, Third Floor

(Panel Session)

ORGANIZER(S): Alan A. Lew, Northern Arizona University

CHAIR(S): Alan A. Lew, Northern Arizona University

Discussant(s): David Weaver, Griffith University, Australia

Panelists: Alan A. Lew, Northern Arizona University; Sanjay K Nepal, Texas A&M University; Daniel Olsen, Brandon University; Jamie Gillen, Auburn University; Albina Pashkevich, Dalarna University; David Truly; Dallen J. Timothy, Arizona State University

WEDNESDAY, APRIL 13 • 4:40 PM - 6:20 PM • 2600**2676. Applications of Spatial-temporal Analysis in GIScience (Sponsored by Space-Time Symposium, Spatial Analysis and Modeling Specialty Group, Association of American Geographers, IGU Commission of Modeling Geographical Systems)***Room: Aspen Room - Sheraton Hotel, Second Floor (Paper Session)*

ORGANIZER(S): Daniel A. Griffith, University of Texas -

Dallas; Robert Haining, University of Cambridge

CHAIR(S): Robert Haining, University of Cambridge

4:40 Daniel A. Griffith*, University of Texas - Dallas, *A binomial space-time spatial filter model description of the Puerto Rican urbanization process, 1899-2000.***5:00** Robert Haining*, University of Cambridge; Guangquan Li, Imperial College, London; Sylvia Richardson, Imperial College, London; Nicky Best, Imperial College, London, *Bayesian modeling and the evaluation of a crime reduction strategy.***5:20** Jane Law*, University of Waterloo; Ping W Chan, *Understanding the distribution of crime: does it matter when and where they occur?.***5:40** Yongwan Chun*, The University of Texas at Dallas, *Analyzing Space-Time Crime Incidents Using Eigenvector Spatial Filtering: An Application of a Citywide Property Crime.***6:00** Paul Plummer*, University of Calgary; Matthew Tonts, University of Western Australia, *Labor Force Dynamics in a Resource Dependent Economy: Wage Flexibility and Unemployment in Western Australia, 1984-2010.***2677. Analysis & Modeling of Moving Objects (Sponsored by Space-Time Symposium)***Room: Cedar Room - Sheraton Hotel, Second Floor (Paper Session)*

ORGANIZER(S): Space-Time Symposium Organizing Committee

CHAIR(S): Shih-Lung Shaw, University of Tennessee

4:40 Joni Downs*, University of South Florida, *Variable-velocity time-geographic density estimation for moving point objects.***5:00** Seyed Hossein Chavoshi*, CartoGIS Cluster- Department of Geography, Faculty of Science, Ghent University, Krijgslaan 281, 9000 Ghent, Belgium; Matthias Delafontaine, CartoGIS Cluster- Department of Geography, Faculty of Science, Ghent University, Krijgslaan 281, 9000 Ghent, Belgium; Bernard De Baets, Research Unit Knowledge-Based Systems, Faculty of Bioscience Engineering, Ghent University, Coupure links 653, 9000 Ghent, Belgium; Guy De Tré, Computer Science Laboratory - Department of Telecommunications and Information Processing, Faculty of Engineering, Ghent University, Sint-Pietersnieuwstraat 41 B, 9000 Ghent, Belgium; Nico Van de Weghe, CartoGIS Cluster- Department of Geography, Faculty of Science, Ghent University, Krijgslaan 281, 9000 Ghent, Belgium, *Knowledge Representation of Movement from a Qualitative Perspective.***5:20** James Haworth*, University College London; Tao Cheng, University College London, *Spatio-temporal Autocorrelations of Networks and Their Implications for Space-Time Modelling.***5:40** Linda Marie Mcneil, MSGISPA*, Analytical Graphics, Inc; Vince Coppola, PhD, Analytical Graphics, Inc., *Spatial Temporal Analytics.***6:00** Shih-Lung Shaw, Dr.*, University of Tennessee; Hongbo Yu, Dr., Oklahoma State University, *Time Geography and Space-Time Integration.***2683. Remote Sensing and Vegetation***Room: Juniper Room - Sheraton Hotel, Second Floor (Paper Session)*

ORGANIZER(S): Program Committee

CHAIR(S): Soe Win Myint, Arizona State University

4:40 Erin Lee Hestir, PhD*, University of California, Davis; Shruti Khanna, PhD, University of California Davis; Maria J Santos, PhD, University of California Berkeley; Susan L Ustin, PhD, University of California Davis, *Monitoring and mapping plant ecophysiology and tidal wetland vegetation succession using airborne imaging spectroscopy.***5:00** Xiaofang Wei*, Central State University; Jensen Ryan, Brigham Young University, *Wavelet Analysis for Aboveground Biomass Estimate in Temperate Deciduous Forest.***5:20** Anupam Anand*, University of Maryland, College Park, *Exploring effects of multiple scattering on lidar waveforms.***5:40** Stuart K. McFeeters, Ph.D*, California State University, Fresno; Deborah M. DeMarey, Ph.D., Averett University, *Delineation Of Emergent Vegetation From A Water Background In A Freshwater Wetland.***6:00** Soe Win Myint*, Arizona State University; Chandra P Giri, Science Applications International Corp (SAIC); Larry Tieszen, USGS EROS; Won K Kim, Arizona State University, *Monitoring mangrove deforestation: a comparison of change detection techniques.***2684. Teaching Business Geography: Strategies and Techniques (Sponsored by Geography Education Specialty Group, Business Geography Specialty Group)***Room: Madrona Room - Sheraton Hotel, Second Floor (Panel Session)*

ORGANIZER(S): Lawrence E. Estaville, Texas State University

CHAIR(S): Shuguang Wang, Ryerson University

Panelists: Carlos Teixeira, University of British Columbia Okanagan; Eugene Tettey-Fio, SUNY-Binghamton

2686. Panel in honor of Dr. Duane Marble (Sponsored by AAG, Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group, Esri and University Consortium for Geographic Information Science)*Room: Willow A - Sheraton Hotel, Second Floor (Panel Session)*

ORGANIZER(S): Elizabeth A. Wentz, Arizona State University; May Yuan, Univ of Oklahoma

CHAIR(S): Elizabeth A. Wentz, Arizona State University

Panelists: Jack Dangermond, Esri; Waldo R. Tobler, University Of California, Santa Barbara; John Nystuen, University of Michigan; Donna J. Peuquet, Pennsylvania State University; Jatinder Sandhu, Esri

WEDNESDAY, APRIL 13 • 6:30 PM - 7:30 PM • 2700**2722. Geography and the Humanities: From Scientism to Humanism: Geography and the Two Cultures**

Wednesday, April 13, 6:30 p.m. - 7:30 p.m.

Room: 6E - Washington State Convention Center, Level 6

Introduction: Audrey Kobayashi, AAG Vice President,
Queens University, Ontario

Speaker: **David Lowenthal**, University College, London

David Lowenthal's many articles, books and presentations have influenced humanistic research on landscape tastes and perceptions, conservation, the relationship between history and cultural heritage, and the history of geographic thought. A renowned and prolific author, his work includes the highly regarded *The Past Is a Foreign Country* (Cambridge University Press, 1985).

Lowenthal recently received the Forbes Prize for "conspicuous services to conservation," presented by the International Institute for Conservation of Historic and Artistic Works, its highest honor. His services to national and international heritage agencies and institutions have included, among others, UNESCO, the Getty Conservation Institute, the World Monuments Fund, the Council of Europe, Europa Nostra, English Heritage, the US National Trust for Historic Preservation, the National Trust of Australia, and the Norwegian Directorate of Cultural Heritage.

Lowenthal earned his PhD in history from the University of Wisconsin after receiving an M.A. in geography from the University of California, Berkeley in 1950, and a B.S. in history from Harvard University in 1944.

2703. Mountain Geography Specialty Group Business Meeting
Room: 603 - Washington State Convention Center, Level 6**2704. Latin America Specialty Group Business Meeting**
Room: 604 - Washington State Convention Center, Level 6**2706. Historical Geography Specialty Group Business Meeting**
Room: 606 - Washington State Convention Center, Level 6**2712. Rural Geography Specialty Group Business Meeting**
Room: 612 - Washington State Convention Center, Level 6**2714. Applied Geography Specialty Group Business Meeting**
Room: 614 - Washington State Convention Center, Level 6**2717. Military Geography Specialty Group Business Meeting**
Room: 617 - Washington State Convention Center, Level 6**Geographic Information Science and Systems Specialty Group, and Spatial Analysis and Modeling Specialty Group private reception**
Room: Cirrus Ballroom - Sheraton Hotel, Pike Tower, Thirty Fifth Floor**2720. Asian Geography Specialty Group Business Meeting**
Room: 620 - Washington State Convention Center, Level 6**2726. Qualitative Research Specialty Group Business Meeting**
Room: 303 - Washington State Convention Center, Level 3**2735. Remote Sensing Specialty Group Business Meeting**
Room: 3B - Washington State Convention Center, Level 3**2738. Development Geographies Specialty Group Business Meeting**
Room: 203 - Washington State Convention Center, Level 2**2746. Energy and Environment Specialty Group Business Meeting**
Room: 2A - Washington State Convention Center, Level 2**2771. Climate Specialty Group Business Meeting**
Room: Metropolitan Ballroom A - Sheraton Hotel, Third Floor

WEDNESDAY, APRIL 13 • 7:30 PM - 8:30 PM • 2800

2806. Geomorphology Specialty Group Business Meeting
Room: 606 - Washington State Convention Center, Level 6

2812. Geography Education Specialty Group Business Meeting
Room: 612 - Washington State Convention Center, Level 6

2814. Geographic Perspectives on Women Specialty Group Business Meeting
Room: 614 - Washington State Convention Center, Level 6

2817. Ethics, Justice, and Human Rights Specialty Group Business Meeting
Room: 617 - Washington State Convention Center, Level 6

2820. Regional Development and Planning Specialty Group
Room: 620 - Washington State Convention Center, Level 6

2826. Africa Specialty Group Business Meeting
Room: 303 - Washington State Convention Center, Level 3

2834. Study of the American South Specialty Group Business Meeting
Room: 3A - Washington State Convention Center, Level 3

2835. Indigenous Peoples Specialty Group Business Meeting
Room: 3B - Washington State Convention Center, Level 3

2838. Socialist and Critical Geography Specialty Group Business Meeting
Room: 203 - Washington State Convention Center, Level 2

2846. Ethnic Geography Specialty Group Business Meeting
Room: 2A - Washington State Convention Center, Level 2

WEDNESDAY, APRIL 13 • 7:30 PM - 10:30 PM**World Geography Bowl**

Wednesday, April 13, 7:30 p.m. - 10:30 p.m.

Room: Grand Ballroom A, B, C, D, and Willow A&B - Sheraton Hotel, Second Floor

See page 28 for additional information

THURSDAY

Presenting author(s) are indicated with an asterisk ().*

THURSDAY, APRIL 14 • 8:00 AM - 9:40 AM • 3100**3103. Agriculture from a Human Perspective**

Room: 603 - Washington State Convention Center, Level 6

(Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Jessie Reynolds, NorthWestern Energy

8:00 Heather A Sander, Ph.D.*, United States Environmental Protection Agency, *Of Birds, Carbon, and Water - Integrating Multiple Ecosystem Service Impacts to Identify Locations for Agricultural Conservation Practice Adoption.*

8:20 Adam G. Baumgart-Getz, PhD*, US Geological Survey; Linda Stalker Prokopy, PhD, Purdue University, *The Determinants of Best Management Practice Maintenance.*

8:40 Kathryn Teigen DeMaster, Ph.D.*, Brown University, *Attending to Territory, Fostering Resilience? The Applicability of Multifunctional Principles in New England Regional Agriculture.*

9:00 Christopher Atkinson, PhD*, University of North Dakota, *Midwestern Fruit Crops and the Armistice Day Blizzard of 1940.*

9:20 Jessie Reynolds, MA, Geography*, University of Montana; Christiane von Reichert, Ph.D., University of Montana, *Changes in Grain Marketing Infrastructure: the Farmer's Perspective.*

3104. Forest Management and Carbon

Room: 604 - Washington State Convention Center, Level 6

(Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Eric Winford, UC Davis

8:00 Ashley Spurlock*, West Chester University; Joy Fritschle, West Chester University, *Residential Forest Carbon Storage In Relation To Carbon Output.*

8:20 Jason Funk, PhD*, Environmental Defense Fund; Nora Greenglass, Woods Hole Research Center; Miriam Chaud, Environmental Defense Fund, *The global impact of forest carbon accounting rules adopted by Kyoto Protocol countries.*

8:40 Pheakkdey Nguon*, Clark University, *"Carbon Forests" Project Development and Implementation.*

9:00 Jonathan Otto*, University of Kentucky, *Climate Change Mitigation, Ecosystem Services and Land Tenure: Forest Carbon Projects in Chiapas, Mexico.*

9:20 Eric Winford*, UC Davis, *A carbon life-cycle analysis of energy from forest-thinning projects.*

3106. Avian Vulnerability

Room: 606 - Washington State Convention Center, Level 6

(Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Eric Larsen

8:00 David Lieske, Ph.D.*, Department of Geography & Environment; David Fifield, Canadian Wildlife Service, Mount Pearl, Newfoundland; Carina Gjerdrum, Canadian Wildlife Service, Dartmouth, Nova Scotia, *Maps, Models and Marine Threats: Assessing the Geographic Patterns of Vulnerability of Atlantic Canadian Seabirds at-Sea.*

8:20 Jennifer Horwath Burnham*, Augustana College; Kurt K Burnham, High Arctic Institute; Matthew K Chumchal, Texas Christian University; Jeffrey Johnson, University of North Texas, *Quantification and Spatial Distribution of Methyl Mercury in Avian Species of Northwest Greenland.*

8:40 Eric J Larsen, PhD*, University of Wisconsin - Stevens Point, *Solving a Leg Band Injury Problem for the Southern Royal Albatross on Campbell Island, New Zealand.*

3107. The 30th Anniversary of African Geographical Review (Sponsored by Africa Specialty Group)

Room: 607 - Washington State Convention Center, Level 6

(Panel Session)

ORGANIZER(S): Kefa Otiso

CHAIR(S): Kefa Otiso

Discussant(s): William G. Moseley, Macalester College

Panelists: Maano Ramutsindela; Kefa Otiso; Ian Yeboah, Miami University

3108. Lessons Learned on Environmental Governance in Africa

Room: 608 - Washington State Convention Center, Level 6

(Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Claudia Carr, University of California, Berkeley

8:00 Narcisa G. Pricope*, University of Florida and Southern Oregon University, *More Fires and Less Water: to What Extent do They Contribute to Vegetation Conversions in a Southern African Savanna?.*

8:20 Samuel Schramski*, University of Florida, *Community resilience in rural South Africa.*

8:40 Nathaniel Royal*, University of California Santa Barbara, *Guinea Worm and Niger: What was learned?.*

9:00 Agathe Maupin*, University of Paris IV-Sorbonne; Emilie Lavie, University of Paris-Diderot, *The Hydropolitical Risk as a potential Water Management Tool? The results from Southern and Northern African case studies in Hydropolitics.*

9:20 Claudia Carr, Associate Professor*, University of California, Berkeley, *Major African Human Rights Catastrophe Brewing in Transborder Region of Ethiopia-Sudan-Kenya: Controversy over the Gibe III Hydrodam in Ethiopia.*

3111. Spatial Epidemiology 1 - Chronic Disease (Sponsored by Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group, Health and Medical Geography Specialty Group)

Room: 611 - Washington State Convention Center, Level 6

(Paper Session)

ORGANIZER(S): Eric M. Delmelle, UNC-Charlotte; Debarchana Ghosh, Kent State University

CHAIR(S): Eric M. Delmelle, UNC-Charlotte

Introducer: Eric M. Delmelle

8:00 Kevin Matthews*, University of Iowa, *Detection and Visualization of Geographic Colorectal Cancer Survival Clusters in Iowa: 1997 to 2007.*

8:20 Alan M Delmerico*, Center for Health and Social Research; Jared A Aldstadt, PhD, University at Buffalo; William F Wiecek, PhD, Center for Health and Social Research, *Analysis of Diabetic Complications in Western New York using GWR.*

8:40 David Haynes*, Student, *Iowa Cancer Maps: mapping today for health planning tomorrow.*

9:00 Antonio Paez*, McMaster University; Fernando Lopez; Manuel Ruiz, Universidad Politecnica de Cartagena; Juan Antonio Ortega, Hospital Universitario Virgen de la Arrixaca, *Co-occurrence of pediatric cancer types in Murcia, Spain: A geographical analysis.*

9:20 Christina Aschan-Leygonie*, University Lumière Lyon 2; Sophie Baudet-Michel, PHD*, UMR Géographie-cités; Hélène Mathian, UMR Géographie-cités; Lena Sanders, Senior researcher, UMR Géographie-cités, *Cities, respiratory health and urban context.*

THURSDAY, APRIL 14 • 8:00 AM - 9:40 AM • 3100

- 3112. Immanent Materialisms in Geography: Marx, Deleuze, Spinoza, and Space I (Sponsored by Political Geography Specialty Group, Socialist and Critical Geography Specialty Group)**
Room: 612 - Washington State Convention Center, Level 6
(Paper Session)
ORGANIZER(S): Nathan Lee Clough, University of Minnesota
CHAIR(S): Nathan Lee Clough, University of Minnesota
8:00 Ulrich Best*, *State theory and Deleuze/Guattari.*
8:20 Nathan L. Clough*, University of Minnesota, *Love and Class Hatred: Affect at the Center of Radical Politics.*
8:40 Giorgio Hadi Curti*, San Diego State University, *Revolutionary power and the ethics of joyful anger: Tra(ns)vers(al)ing the immanent plan(e) of the art of the world.*
9:00 Jason Read*, University of Southern Maine, *Transindividuality as Critique: Spinoza, Hegel, and Marx.*
Discussant(s): Joshua J. Kurz, Ohio State University
- 3113. Tangibles, Intangibles and New Geographies of Manufacturing/Production: Beyond Global Production Networks? (1) (Sponsored by Economic Geography Specialty Group)**
Room: 613 - Washington State Convention Center, Level 6
(Paper Session)
ORGANIZER(S): John Bryson, University of Birmingham; Vida Vanchan, Buffalo State College
CHAIR(S): John Bryson, University of Birmingham
8:00 John R. Bryson*, University of Birmingham, *Beyond 'Global Production Networks': The 'Production Projects and Distributed Tasks' (PPDT) Approach for Conceptualizing Translocal Product Realization.*
8:20 Sam Ock Park*, Seoul National Univ; Yangmi Koo, Seoul National University, *Role of Intangible Assets for Regional Resilience and Development.*
8:40 Hyejin Yoon*, University of Wisconsin-Milwaukee, *Where do cartoons come from?: new geography of the animation industry.*
9:00 John Holmes*, Queen's University; Tod D. Rutherford*, Syracuse University, *Workplace Governance and Labour Law as Intangible Assets in Global Production Networks.*
9:20 Proinnsias Breathnach*, National University of Ireland Maynooth, *Intangibility, Export Competitiveness and the Manufacturing/Services Divide: Lessons from the Changing Nature of Foreign Direct Investment in the Republic of Ireland.*
- 3114. Paradoxes of Value in the Green Economy I (Sponsored by Human Dimensions of Global Change Specialty Group, Energy and Environment Specialty Group, Economic Geography Specialty Group)**
Room: 614 - Washington State Convention Center, Level 6
(Paper Session)
ORGANIZER(S): Sarah Knuth, UC - Berkeley; Adam Romero, University of California Berkeley
CHAIR(S): Adam Romero, University of California Berkeley
8:00 Sarah Knuth*, UC - Berkeley, *FIRE and Urban Land Rent in the Green Economy.*
8:20 Jason W. Moore, PhD*, Umeå University, *Ecology and the accumulation of capital: The production of nature in the capitalist world-ecology, 1450-2010.*
8:40 Jesse Goldstein*, City University of New York, *Anti-Capitalist Green Capitalists Re-Valuing Nature.*
9:00 Daniel Buck*, University of Oregon, *The Ecological Question and the Accumulation of Capital.*
Discussant(s): Adam Romero, University of California Berkeley
- 3115. Approaches to Exploring and Re-Presenting Geographies of Bodies, Disability, and Well-Being I (Sponsored by Qualitative Research Specialty Group, Geographic Perspectives on Women Specialty Group, Disability Specialty Group)**
Room: 615 - Washington State Convention Center, Level 6
(Paper Session)
ORGANIZER(S): Pamela Moss, University of Victoria; Hannah Macpherson, University of Brighton
CHAIR(S): Pamela Moss, University of Victoria
8:00 Hannah Macpherson*, University of Brighton, *Reworking the spectacular: disability performance and the London 2012 Olympics and Paralympics.*
8:20 Donna Jeffery*, University of Victoria, *Native, Nature, Other in Professional Education.*
8:40 Pamela Moss*, University of Victoria; Michael J Prince, University of Victoria, *Embodied Apparatuses: Diagnosis and treatment of fatigued combat soldiers.*
9:00 Joyce Davidson*, Queen's University, Kingston, Ontario, *The Shifting Horizons of Autism Online.*
- 3116. Socio-Cultural Dimensions of Climate Change 1 (Sponsored by Cultural and Political Ecology Specialty Group, Human Dimensions of Global Change Specialty Group, Ethics, Justice, and Human Rights Specialty Group)**
Room: 616 - Washington State Convention Center, Level 6
(Paper Session)
ORGANIZER(S): Barbara Walker, UC Santa Barbara; David Lopez-Carr, UC Santa Barbara
CHAIR(S): Cheryl Chen, UC Santa Barbara
Introducer: Cheryl Chen
8:05 Karen L. O'Brien*, University of Oslo, *Climate change: There is more to adaptation than meets the eye.*
8:24 Bethany Janna Haalboom, Ph.D.*, University of Saskatchewan; David Natcher, Ph.D., University of Saskatchewan, *The Power and Peril of 'Vulnerability': Lending a Cautious Eye to Labels in Climate Change Research and Policy.*
8:43 William D. Heyman, Ph.D.*, Texas A&M University, *Ecotourism on reef fish spawning aggregations: will it be affected by climate change?.*
9:02 Carla Guenther, Dr.*, Penobscot East Resource Center; David Carr, Dr., University of California, Santa Barbara; Hunter Lenihan, Dr., University of California, Santa Barbara, *Commercial lobster fishermen's effort response to marine reserves at the Channel Islands State Marine Reserves in California.*
9:21 Stacy Rebich Hespanha*, University of California, Santa Barbara, *Predicting Emotional Response to Climate Change News Images: Relationships between Goals, Environmental Attitudes, and Media Use.*
- 3117. Interstitial and Subversive Food Spaces I: Food Sovereignty and Justice (Sponsored by Cultural and Political Ecology Specialty Group, Rural Geography Specialty Group)**
Room: 617 - Washington State Convention Center, Level 6
(Paper Session)
ORGANIZER(S): Ryan Edward Galt, University of California, Davis; Leslie Gray, Santa Clara University
CHAIR(S): Ryan Edward Galt, University of California, Davis
8:00 Laura-Anne Minkoff-Zern*, UC Berkeley, Department of Geography, *From Farm Worker to Food Sovereignty: California's Indigenous Farm Workers and Community Gardening in the Northern Central Coast of California.*
8:20 Katharine Bradley*, UC Davis, Community Development, *Urban Food Security Projects: growing food and overcoming inequality.*
8:40 Trina Filan*, University of California, Davis, *Invisible Farmers, Invisible Farms: Gender and Agriculture in Two Northern California Counties.*

THURSDAY, APRIL 14 • 8:00 AM - 9:40 AM • 3100

9:00 Christopher Bacon*, Santa Clara University; Raúl Díaz, Asdenic; Maria Eugenia Flores Gomez, Community Agroecology Network; Salatiel Valdivia, Prodecoop, R.L., *Food Sovereignty and Fair Trade: Exploring strategies to move from seasonal hunger towards sustainable livelihoods in Nicaragua.*

9:20 Liz Carlisle*, UC Berkeley, *Examining the "Sovereignty" in Food Sovereignty: Governance through Science at 1994 Land Grant Institutions.*

3118. Media

Room: 618 - Washington State Convention Center, Level 6
(Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Michael Crutcher, University of Kentucky

8:00 Mari Galup*, University of Arizona, *Cultivating Home: Spaces of Trauma and Belonging in Alex Rivera's "Sleep Dealer".*

8:20 Jacquelyn H. Southern, Ph.D.*, York College, CUNY; N. C. Christopher Couch, Ph.D., University of Massachusetts Amherst, Trinity College, and School of Visual Arts, *Tulsa: Oil, Blighted Landscapes, and Dystopia in Postwar Hollywood.*

8:40 Ann Vogel*, Singapore Management University, Singapore, *Film Festival Sprawl -- Sign of Global Modernity?.*

9:00 Michael E Crutcher, Jr.*, University of Kentucky, *David Simon and HBO's Tremé: A Critique of Neighborhood Representation..*

9:20 Kanika Verma*, Texas State University, *Syriana: Oil Landscapes in Cinematic Space.*

3119. Transit-oriented development: Can transportation change land use? (Sponsored by Urban Geography Specialty Group, Transportation Geography Specialty Group)

Room: 619 - Washington State Convention Center, Level 6
(Paper Session)

ORGANIZER(S): Julie Cidell, University of Illinois

CHAIR(S): Keith Ratner, Salem State College

8:00 Jillian Goforth*, Macalester College, *The Life, Death and Rebirth of University Avenue: Exploring the relationship between transportation, urban form, and quality of life.*

8:20 Keith A. Ratner, PhD*, Salem State University; Andrew R. Goetz, PhD, Geography Department, University of Denver, *Understanding Transit-Oriented Development in Denver.*

8:40 Joseph Di Gianni*, Montclair State University, *Analysis of land use constraints for Bus Rapid Transit development across the northern New Jersey region..*

9:00 Judd Schechtman*, Rutgers University - Bloustein School of Planning and Public Policy, *Is Sprawl the Law? Understanding Barriers to Transit-Oriented Development in Westchester County, New York.*

3120. Issues in Ethnic Geography I (Sponsored by Population Specialty Group, Urban Geography Specialty Group, Ethnic Geography Specialty Group)

Room: 620 - Washington State Convention Center, Level 6
(Paper Session)

ORGANIZER(S): Stavros T. Constantinou, Ohio State University

CHAIR(S): Stavros T. Constantinou, Ohio State University

8:00 Mika Roinila*, Bethel College, *Language Shifts in Scandinavian American Homes, 1980-2000.*

8:20 Ira M. Sheskin*, University of Miami, *The Jewish Community of Middlesex County, New Jersey: Ethnic Retirement Close to Home.*

8:40 Michael Poulsen*, Macquarie University, *Generalised Trust and Individual Action: Examining the issues surrounding ethnicity and place - initial results Sydney, Australia.*

9:00 John W Frazier, Professor*, Binghamton University; Brendan McGovern, Instructor, Binghamton University; Norah F. Henry, Professor, Binghamton University, *Asian Indian in Queens, N. Y.: Changing Landscapes and Immigrant Experiences.*

9:20 Stavros T. Constantinou*, Ohio State University, *Persistent Themes of Contemporary Greek-American Ethnicity.*

3124. Deforestation in the Amazon: Dynamic Analyses

Room: 301 - Washington State Convention Center, Level 3

(Paper Session)

ORGANIZER(S): Jill Caviglia-Harris, Salisbury University; Erin Sills, NC State University

CHAIR(S): Erin Sills, NC State University

8:00 Stephen Peter Aldrich*, Indiana State University, *The Morphology of Contentious Land Change in Southeastern Pará.*

8:20 John O. Browder*, Virginia Tech, *The Amazonian Post-Frontier: Rondonia After 30 Years of Development.*

8:40 Katrina Mullan*, UC Berkeley; Jill Caviglia-Harris, Salisbury University; Erin Sills, North Carolina State University, *Regeneration of deforested land in the Amazon: determinants and environmental benefits.*

9:00 Daniel W Harris*, Salisbury University, *Modeling the Impact of Travel Times to Market on Rural Amazonian Household Income and Land Cover: A GIS-based Network Model.*

3125. Global Health (Sponsored by Health and Medical Geography Specialty Group)

Room: 302 - Washington State Convention Center, Level 3

(Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Jill Klimpel, Ohio University

8:00 David Ferring*, University of North Texas, *A Spatial Analysis of Buruli Ulcer in Ghana.*

8:20 Maria G Corradini, Ph.D.*, Universidad Argentina De La Empresa; Sebastian Oddone, MS, Universidad Argentina de la Empresa; Florencia Balza, Universidad Argentina de la Empresa; Mariano Trevisan, Universidad Argentina de la Empresa; Arturo E Osorio, Rutgers - The State University of New Jersey, *Food Safety in the city of Buenos Aires: Identification of risks from retailer and consumer behavior.*

8:40 Patricia Polo*, *Encounters of place, human health and hegemony in the Northern Ecuadorian Amazon.*

9:00 Douglas O. Fuller, Ph.D., Department of Geography and Regional Studies, University of Miami, Coral Gables, FL 33124-2221, USA; Michael S. Parenti*, Leonard and Jayne Abess Center for Ecosystem Science and Policy, University of Miami, Coral Gables, FL 33124, USA; Adel M. Gad, Ph.D., Ain Shams University, Faculty of Science, Entomology Department, Abbassia Square, Cairo 11566, Egypt; John C. Beier, Sc.D., Department of Epidemiology and Public Health, Miller School of Medicine, University of Miami, Miami, FL 33136, USA, *Mapping water-driven changes in vegetation cover in Upper Egypt using MODIS 250m NDVI and Landsat Imagery.*

9:20 Jill Klimpel*, Ohio University, *The Body Defines Space and Space Defines the Body: The High Rates of Caesarean Sections in Brazil.*

THURSDAY, APRIL 14 • 8:00 AM - 9:40 AM • 3100

3126. BSG Master's/Undergraduate Student Paper Competition I (Sponsored by Biogeography Specialty Group)

Room: 303 - Washington State Convention Center, Level 3
(Paper Session)

ORGANIZER(S): Gabrielle L. Katz

CHAIR(S): Gabrielle L. Katz

8:00 Ross J. Guida*, University of Nevada Las Vegas; Haroon Stephen, Ph.D., University of Nevada Las Vegas; Chris L. Roberts, National Park Service; Scott R Abella, Ph.D., University of Nevada Las Vegas; William J. Smith, Jr., Ph.D., University of Nevada Las Vegas; Zhongwei Liu, Ph.D., University of Nevada Las Vegas; James S. Holland, National Park Service, *Vegetation and climate change in the Newberry Mountains, southern Nevada: Maxent and GIS Modeling for Policy Decision Support.*

8:20 Bradley Breslow*, West Virginia University; Brenden McNeil, Ph. D., West Virginia University; Amy Hessl, Ph. D., West Virginia University, *Tree-ring analysis of growth along atmospheric nitrogen deposition gradients in the eastern USA.*

8:40 Anna Klimaszewski-Patterson*, New Mexico State University, *Matters of scale: Assessing synthetic predictive vegetation boundaries in the Chihuahuan Desert.*

9:00 Thor Burbach*, University of Montana; Anna Klene, Phd, University of Montana; Susan Rinehart, United States Department of Agriculture Forest Service, *Evaluation of the relative importance of environmental variables in predicting rare plant habitat for nine species in the Nez Perce National Forest.*

9:20 Maria Jose La Rota-Aguilera*, University of Texas at Austin, *Guild-Specific Responses of the Avifauna associated with Coffee Agro-Ecosystems to Habitat Fragmentation: A landscape-level Approach..*

3127. Spaces of Libertarianism (Sponsored by Political Geography Specialty Group, Socialist and Critical Geography Specialty Group)

Room: 304 - Washington State Convention Center, Level 3
(Paper Session)

ORGANIZER(S): Philip E. Steinberg, Florida State University

CHAIR(S): Philip E. Steinberg, Florida State University

8:00 Heather Hollen*, University of Oklahoma; Fred M. Shelley*, University of Oklahoma, *How Has the Tea Party Affected Contemporary American Electoral Geography?.*

8:20 Nick Quinton*, Florida State University, *A Tea Party Nation? Electoral Politics and the Tea Party Movement in Tennessee.*

8:40 Philip E. Steinberg*, Florida State University; Elizabeth A Nyman, Florida State University; Mauro J Caraccioli, University of Florida, *Atlas Swam: Freedom, Capital, and Floating Sovereignities in the Seasteading Vision.*

9:00 Christopher Niedt*, Hofstra University, *Libertarian Challenges to Eminent Domain: The Shifting Suburban Terrain of Racial Exclusion and Property Rights.*

Discussant(s): Barney Warf, University of Kansas

3128. Immigrants, Diaspora, and Transnationalism (i) (Sponsored by Population Specialty Group, Ethnic Geography Specialty Group)

Room: 305 - Washington State Convention Center, Level 3
(Paper Session)

ORGANIZER(S): Sanjeev Kumar, University of Georgia

CHAIR(S): Wei Li, Arizona State University

Introducer: Sanjeev Kumar

8:05 Aneta Piekut, University of Leeds; Philip Rees*, University of Leeds, *Living with Difference: Mapping Diversity in Leeds and Warsaw.*

8:24 Christopher Strunk*, University of Minnesota, *Migration, livelihood sustainability and development in a time of recession: Bolivian transnational communities in Washington D.C. and Cochabamba.*

8:43 Kwame Appiah-Yeboah, PhD, Health Risk Partners, Richmond VA; Asamoah Bosomtwi, PhD, Emory University; Muriel A. Yeboah, PhD*, Virginia Union University, *The Positive Side of Brain Drain: A Case Study of Ghanaian Immigrants Abroad.*

9:02 Natasha M Rivers, M.A., PhD (UCLA)*, Minnesota Population Center, *Sub-Saharan African Permanent Settlement in the U.S. Assessed Through Homeownership Outcomes in 1980, 1990 and 2000.*

9:21 Shimantini Shome, Ph.D. Candidate*, University of Kansas, *The Emergence of a Somali Ethnic Enclave in the American Heartland.*

3129. Hydroclimatology I (Sponsored by Climate Specialty Group, Cryosphere Specialty Group, Water Resources Specialty Group)

Room: 306 - Washington State Convention Center, Level 3
(Paper Session)

ORGANIZER(S): Christopher Labosier, Texas A&M University; Laiyin Zhu, Department of Geography, Texas A&M University

CHAIR(S): Steven Quiring, Texas A&M University

8:00 David Shankman*, University of Alabama; Dunyin Wu, Jiangxi Normal University; Barry Keim, Louisiana State University; Rongfang Li, Jiangxi Institute of Water Sciences; Craig Remington, University of Alabama, *Hydroclimate Analysis of Severe Floods in China's Poyang Lake Region.*

8:20 Fang Zhao*, University of Georgia; Marshall Shepherd, University of Georgia, *Precipitation Changes near Three Gorges Dam, China.*

8:40 Kevin W Murphy*, Arizona State University; Andrew W Ellis, Arizona State University, *An Assessment of Stationarity of Runoff in Watersheds of the Colorado River Basin.*

9:00 Robert E. Davis*, University of Virginia; Isabella M Angelini, University of Virginia; Michael Garstang, University of Virginia; Bruce P Hayden, University of Virginia; David R Fitzjarrald, SUNY-Albany; David R Legates, University of Delaware; Steven Greco, Simpson Weather Associates; Steve Macko, University of Virginia; Vickie Conners, Virginia Commonwealth University, *What is the Source of Continental Precipitation?.*

9:20 Chris Labosier*, Texas A&M University, *Hydroclimatic Characteristics of the Southeastern United States.*

3130. Biopolitics, Governmentality, Circulation (Sponsored by Political Geography Specialty Group, Cultural Geography Specialty Group)

Room: 307 - Washington State Convention Center, Level 3
(Paper Session)

ORGANIZER(S): David Grondin, University of Ottawa

CHAIR(S): Derek Gregory, University of British Columbia

8:00 David Grondin*, University of Ottawa, *Securing Circulation on the US-Mexico Border(land): Visual Targets, Cosmic Surveillance, Unmanned (In)Security.*

8:20 Deborah E Cowen*, University of Toronto, *Circulating Stuff: From Military Art to Business Science.*

8:40 Mark Salter*, University of Ottawa, *Spaces In-Between : Theories of Interstitiality.*

9:00 Emily Gilbert*, University of Toronto, *The Calculation of Value and the Management of Contingency.*

Discussant(s): Francois Debrix, Florida International University

THURSDAY, APRIL 14 • 8:00 AM - 9:40 AM • 3100**3131. Web Service Technology for GISciences (Sponsored by Cyberinfrastructure Specialty Group)**

Room: 308 - Washington State Convention Center, Level 3
(Paper Session)

ORGANIZER(S): Huayi Wu, George Mason University; Xuan Shi, Georgia Tech

CHAIR(S): Huayi Wu, George Mason University

8:00 Huayi Wu*, George Mason University; Zhenlong Li, George Mason University; Yan Xu, Microsoft Research, *Seamless Integration and Visualization of Heterogeneous and Distributed Earth Science Data Using Bing Map.*

8:20 Albert Decatur*, Clark University, *How to Display Datasets of Billions of Pixels on the Web with Minimal Time and Hardware Requirements.*

8:40 Shengyu Shen*, LIESMARS, Wuhan University; Huayi Wu, LIESMARS, Wuhan University, *A Response Time Based Quality Model of WMS.*

9:00 Chin-Te JUNG*, National Taiwan University; Chih-Hong Sun, National Taiwan University, *A multi-agents and ontologies framework for intelligent spatial decision support systems.*

9:20 Mansour Arab*, Penn State World Campus, *A Web Mapping Approach to Maintain a Collaborative Geospatial Database.*

3133. Hurricanes I: Wind, Rain, and Societal Impacts (Sponsored by Climate Specialty Group, Hazards Specialty Group)

Room: 310 - Washington State Convention Center, Level 3
(Paper Session)

ORGANIZER(S): Kam-Biu Liu, Louisiana State University; Harry Williams, University of North Texas

CHAIR(S): Michael Grossman, Department of Geography SIUE

8:00 Corene J Matyas, Ph.D.*, University of Florida, *Predicting the Extent of Hurricane Rain Fields at the Time of Landfall.*

8:20 Kevin Law*, Marshall University, *Autumn Precipitation Attributed to Tropical Cyclones in the Central Appalachians.*

8:40 Jill S. M. Coleman, Ph.D.*, Ball State University; Steven A. Lavoie, Ball State University, *Inconsistencies in the EM-DAT Database: Tropical Cyclones.*

9:00 Nathan L McKinney*, University of West Florida, *Estimating extended indirect mortality following four hurricanes, Florida 2004.*

9:20 David Butler*, University Of Southern Mississippi, *Hurricane Katrina Recovery Interviews, Focus Groups, and Surveys.*

3134. Urban Foods 1: Sustaining the City: Food, Markets, and Production along the Urban-Rural Divide (Sponsored by Rural Geography Specialty Group)

Room: 3A - Washington State Convention Center, Level 3
(Paper Session)

ORGANIZER(S): Greig Guthey; Allison Brown

CHAIR(S): Greig Guthey

8:00 Alan Paul*, University of California, Riverside, *Genesis and Evolution of Urban Agricultural Institutions.*

8:20 Greig Tor Guthey, Ph.D.*, California State University San Marcos, *How the City Shaped Northern California's Wine Country.*

8:40 Louise Dyble*, Michigan Technological University, *Bay Area Farmers' Markets and the Institutional Development of Alternative Food.*

9:00 Steven Schnell*, Kutztown University Of Pennsylvania, *Food Miles: The Anatomy of a Number.*

3135. Taking Stock of Space and Social Movements: What Have We Learned and Who are We Speaking to? (Sponsored by Political Geography Specialty Group, Socialist and Critical Geography Specialty Group)

Room: 3B - Washington State Convention Center, Level 3
(Paper Session)

ORGANIZER(S): Byron A. Miller, University of Calgary; Walter J. Nicholls, Sociology, University of Amsterdam

CHAIR(S): Walter J. Nicholls, Sociology, University of Amsterdam

8:00 Gerda R. Wekerle, Professor*, Faculty of Environmental Studies York University, *Land Conflicts: Tensions of Place, Planning, Environment and Democratic Governance.*

8:20 Helen C. Jarvis, PhD*, University of Newcastle Upon Tyne, *Real and Imagined Geographies of Communalism: Lessons for the Mainstream.*

8:40 Mark Treskon*, New York University, *Local Advocacy in a National Movement: Scalar Politics and Anti-Predatory Lending.*

9:00 Jan Willem Duyvendak*, University of Amsterdam, *Strategies of Sustainable Belonging.*

9:20 Byron A. Miller*, University of Calgary; Walter Nicholls, University of Amsterdam, *Spatialities, Social Movements, and the Politics of Transformation.*

3136. Conversations in the conflict zone I: bodies in war

Room: 201 - Washington State Convention Center, Level 2
(Paper Session)

ORGANIZER(S): Sara Koopman, University of British Columbia; Derek Gregory, University of British Columbia

CHAIR(S): Joanne P. Sharp, University of Glasgow

8:00 Lorraine Dowler*, Penn State University, *Body Counts: The Discounting of Women During War.*

8:20 Elizabeth Lee*, University of British Columbia, *Children and 'New Wars'.*

8:40 Andrew Shmueli*, Dept. of Geography, UBC, *Urbicide as "Implosion-Explosion": On the Dialectics of Circulation in the City Ambivalent.*

9:00 Ulrich Oslender*, FIU, *The banality of forced displacement: naming and confronting the combat zone in Colombia.*

9:20 Sara Koopman*, University of British Columbia, *Performing Privilege for Peace: Protective Accompaniment in Colombia.*

3137. Indigenous Peoples, Property and Geography I (Sponsored by Cultural and Political Ecology Specialty Group, Historical Geography Specialty Group, Indigenous Peoples Specialty Group)

Room: 202 - Washington State Convention Center, Level 2
(Paper Session)

ORGANIZER(S): Jessica Place, Simon Fraser University; Brian Egan, Carleton University

CHAIR(S): Brian Egan, Carleton University

8:00 Dawn Hoogeveen*, University of British Columbia, *From the Arctic to the Amazon: The (post)colonial geographies of property, mining and mineral tenure.*

8:20 Megan Ybarra*, Willamette University, *Land Purchase as Ethnic Resurgence? Property and Identity in Post-War Guatemala.*

8:40 Catherine L. Nolin, Associate Professor*, University of Northern British Columbia (UNBC); JP Laplante, MA NRES Candidate*, University of Northern British Columbia, *Making Dispossession 'Ethical': Modern Maya-Q'eqchi' Land Struggles, Canadian Mining & the Role of Corporate Social Responsibility.*

9:00 Jeffrey Banister*, University of Arizona, *Deluges of Grandeur: Water, Territory, and Ethnic Politics in Northwest Mexico, 1880s-1950s.*

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9:20 N. C. Christopher Couch, Ph.D.*, University of Massachusetts, Trinity College, School of Visual Arts, *Unfolding Community Space: The Socio-Political and Semiotic Meanings of the Lienzos in Colonial Mexico.*

3138. Environmental Education

Room: 203 - Washington State Convention Center, Level 2
(Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Kieran O'Mahony, Educare Press

8:00 Jennifer J Johnson, PhD*, Ferris State University, *Developing a Community Weather Station Network: An Example of Academic Service Learning in Geography.*

8:20 Keith G. Henderson*, Villanova University, *Competition and Symbiosis between Geography and Environmental Academic Degree Programs.*

8:40 Patrick L Lawrence*, University of Toledo, *Connecting Environmental Education to Urban River Restoration at the University of Toledo, Ohio.*

9:00 Pei-Shan Sonia LIN*, National Taiwan University; Chang-Yi David Chang, Institute of Environment and Resource, *Toward sustainable community-based natural resource management in Taiwan: Rethinking impacts of local participation.*

9:20 Kieran O'Mahony, PhD*, University of Washington, LIFE Center, *Geo-Literacy and STEM opportunities around Dam Removal and Habitat Restoration.*

3139. Amenities and Migration

Room: 204 - Washington State Convention Center, Level 2
(Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Peter B. Nelson, Middlebury College

8:00 Hugo Marcelo Zunino, Ph.D.*, Universidad de La Frontera; Rodrigo A. Hidalgo, Dr., Pontificia Universidad Católica de Chile, *Categorizing Amenity Migrants in the Pucón Area, Chile.*

8:20 Peter B. Nelson*, Middlebury College, *'Because they don't hunt' - ethnic perspectives on rural labor market dynamics in high amenity destinations..*

8:40 William B Herring III, PhD Candidate*, East Carolina University Coastal Resources Management Program, *Exploring Amenity Migration along North Carolina's Southern Outer Banks: Harkers Island in Transition.*

9:00 Jeffrey Olson*, The Ohio State University, *Amenities and Rural Development Success in the Midwest.*

9:20 Kimiko Nygaard, PhD candidate*, University of Montana, *From the Old to New West: Change in Landownership and Land Use in the Crazy Mountains, Montana from 1900-2000..*

3140. Remote Sensing of Ecosystems and Physical Environments

Room: 205 - Washington State Convention Center, Level 2
(Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Xianfeng Chen, Slippery Rock University

8:00 Stephen P. Boyte*, SGT, Inc., EROS; Bruce K. Wylie, US Geological Survey, EROS; Donald J. Major, BLM--Great Basin Restoration Initiative, *Mapping future big sagebrush productivity and extent in a northern Great Basin rangeland ecosystem.*

8:20 Yuki Hamada*, Argonne National Laboratory, *Developing Nesting Habitat Suitability Models for Greater Sage-Grouse Conservation in Wyoming Using Object-based Image Analysis at Multiple Scales.*

8:40 Jing Sun*, Youliang Qiu, University of Florida; Jane Southworth, University of Florida; Zaccarelli Nicola, University of Salento, *Indicating Environmental Fragility As Derived From Simulated And Real*

Disturbance Patterns In Social-ecological Landscapes.

9:00 Xianfeng Chen*, Slippery Rock University of Pennsylvania, *Integrating spectral and textural information for a wetland complex landscape analysis using Multispectral QuickBird Imagery.*

9:20 Ting Liu*, Florida State University; Di Shi, Florida State University; Xiaojun Yang, Florida State University, *A Knowledge-based Approach to Urban Vegetation Mapping.*

3141. Technology and Geographic Education

Room: 206 - Washington State Convention Center, Level 2
(Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Nicole L Siebrasse

8:00 Chew-Hung Chang*, Nanyang Technological University; Bing Sheng Wu, HSSE, National Institute of Education, *Teaching Geographical Techniques through Inquiry.*

8:20 L Jesse Rouse*, UNC Pembroke, *Reaching out to highlight Geography: taking advantage of New Media and webmapping technologies to broaden geographic awareness.*

8:40 Germana Manca*, Department of Geography and Geoinformation science, *Geographic Information Science for Environmental and Spatial Planning (GISESP).*

9:00 Suleyman Incekara*, Fatih University, *An assessment of technology use in secondary school geography courses in Turkey: A teachers' perspective.*

9:20 Nicole L Siebrasse, Graduate Student*, South Dakota State University, *Enhancing Geographic Education at South Dakota State University.*

3142. Real Tourism: Representation, Practice and the 'Material' in Contemporary Travel Culture (Sponsored by Recreation, Tourism, and Sport Specialty Group, Cultural Geography Specialty Group)

Room: 211 - Washington State Convention Center, Level 2
(Paper Session)

ORGANIZER(S): Tim Oakes, University of Colorado; Claudio Minca, Wageningen University

CHAIR(S): Tim Oakes, University of Colorado

8:00 Claudio Minca*, Wageningen University, *No country for old men: or, the trouble with tourism and the Modern.*

8:15 Jamie Gillen*, Auburn University, *Post-War Tours.*

8:30 Steven Flusty*, York University, *The Rime of the Frequent Flyer.*

8:45 Saithong Phommavong*, Department of Culture Geography, Umea University; Saithong Phommavong, Ph D Candidate, *Tourism and the question of poverty..*

9:00 Eroko Yasue, London university; Kazuo Murakami*, Rikkyo university, *Performing Natural Landscapes in Asuke: Practices of Domestic Tourism and Interactions with Nature.*

Discussant(s): Tim Edensor, Manchester Metropolitan University

3143. Affective Spaces I (Sponsored by Urban Geography Specialty Group, Cultural Geography Specialty Group, Sexuality and Space Specialty Group)

Room: 212 - Washington State Convention Center, Level 2
(Paper Session)

ORGANIZER(S): Christine Hentschel, ICI Berlin

CHAIR(S): Karen Rodriguez, Council on International Education Exchange

Introducer: Christine Hentschel

8:05 Mirabelle T Yang, PhD Student*, Cornell University, *The Singaporean "romance-scape": eurocentrism, geography and dating.*

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8:25 Bradley Michael Rink, PhD*, University of Cape Town, *Quartering the city in discourse and bricks: The case of De Waterkant.*

8:45 Emily Murai*, University of Minnesota - Minneapolis, *Engineering affect: the spatialities of human-computer interaction.*

9:05 Christine Hentschel, Dr.*, ICI Berlin, *Hard to resist. A Berlin neighborhood's flickering feelings.*

Discussant(s): Karen Rodriguez, Council on International Education Exchange

3144. Gentrification I: Social and Cultural Aspects (Sponsored by Urban Geography Specialty Group)

Room: 213 - Washington State Convention Center, Level 2 (Paper Session)

ORGANIZER(S): Julie Cidell, University of Illinois

CHAIR(S): Brent Eysenbach, Miami University

8:00 Brent A. Eysenbach*, Miami University, *Gentrification and the Production of Neighborhood Identity.*

8:20 Bonar Buffam*, University of British Columbia, *Neighborly Impositions: Crime, Locality and the Changing Racial Geographies of Chicago.*

8:40 Martine August*, University of Toronto, *From "isolation" to inclusion? Tenant experiences in Toronto's Regent Park public housing redevelopment.*

9:00 Sonia Lehman-Frisch*, University of Cergy-Pontoise, France; Frederic Dufaux, University of Paris Ouest Nanterre La Defense; Jean-Yves Authier, University of Lyon 2, *Families in Gentrified Neighborhoods: Parents' Discourses of Diversity in Paris and San Francisco.*

9:20 David K. Seitz*, University of Toronto, Department of Geography and Planning, *Gentrification: "What's Sex Got to Do with it?": Reading Racialized Sexuality in Gentrification Discourse.*

3145. Coastal Tourism I: Trends, Conflicts, & Sustainability (Sponsored by Recreation, Tourism, and Sport Specialty Group, Coastal and Marine Specialty Group)

Room: 214 - Washington State Convention Center, Level 2 (Paper Session)

ORGANIZER(S): Klaus J. Meyer-Arendt, University of West Florida

CHAIR(S): Klaus J. Meyer-Arendt, University of West Florida

8:00 David Bruce Weaver, Professor*, Griffith University, Australia, *The Global Pleasure Periphery 35 Years Later: Evolving Regional Contours.*

8:20 Matthew John Taylor*, University Of Denver, *Propiedad Privada, No Pase: Tourism and Land Conflicts along Nicaragua's Pacific Coast.*

8:40 Jackie Ziegler*, University of Victoria, Canada; Philip Dearden, University of Victoria; Rick Rollins, University of Victoria, *Is whale shark tourism sustainable? A case study of Isla Holbox, Mexico..*

9:00 Klaus J. Meyer-Arendt*, University of West Florida, *The Mexican Costa Maya: Tourism Development vs. Sustainability.*

3146. Author Meets Critics: Robert Wilson's "Seeking Refuge: Birds and Landscapes of the Pacific Flyway" (Sponsored by Cultural and Political Ecology Specialty Group, Animal Geography Specialty Group, Historical Geography Specialty Group)

Room: 2A - Washington State Convention Center, Level 2 (Panel Session)

ORGANIZER(S): Matthew Huber, Syracuse University

CHAIR(S): Matthew Huber, Syracuse University

Panelists: Jacque (Jody) L. Emel, Clark University; Nathan F. Sayre, University of California, Berkeley; Connie

Johnston, Clark University; Peter Alagona, UC Santa Barbara; Robert Wilson, Syracuse University

3148. Psychoanalytic Geographies I: Trajectories

Room: Cirrus Ballroom - Sheraton Hotel, Pike Tower, Thirty Fifth Floor (Paper Session)

ORGANIZER(S): Paul T. Kingsbury, Simon Fraser University; Steve Pile, The Open University

CHAIR(S): Paul T. Kingsbury, Simon Fraser University

8:00 Laura J. Cameron, Associate Professor*, Queens University, *Situating psychoanalysis: Freud and undergraduate imaginations in Interwar Cambridge.*

8:20 Cheryl McGeachan*, University of Glasgow, *Unpicking the geographies of R.D. Laing.*

8:40 Anna J Secor*, University of Kentucky; Virginia Blum*, University of Kentucky, *Space and the Origin of Trauma.*

9:00 Sara Westin*, *Planning on the couch: Exploring Michael Balint's concepts of ocnophilia and philobatism.*

9:20 Stephen Healy, PhD*, Worcester State University, *Science, Hysteria, and the Politics of Jouissance: The Promise of Psychoanalysis and Actor Network Theory.*

3150. Cluster-based Regional Development and Planning: Empirical Evidences (Sponsored by Regional Development and Planning Specialty Group)

Room: Boren - Sheraton Hotel, Union Tower, Fourth Floor (Paper Session)

ORGANIZER(S): Rajiv Thakur, University of South Alabama

CHAIR(S): Neil Reid, University of Toledo

8:00 Liang-Chih Chen*, National Taiwan University; Zi-Xin Lin, National Taiwan University, *The role of spatial proximity in the evolution of local and trans-local communities in the clusters.*

8:20 Kathrine E. Richardson, Dr.*, San Jose State University, *Seeking Sun in the Rainforest: WestCoastness High Tech Connectivity and Cascadia's "Main Street".*

8:40 Elsa Von Scheven*, UCLA, *Industrial Clustering and Economic Development: Did Past Clustering of the Manufacturing Industries Influence their Employment Growth and Labor-Productivity in Mexico and the United States (1982-2004)?.*

9:00 Rajiv R. Thakur*, University of South Alabama; Jay D Gatrell, Indiana State University, *The Spatial Dynamics of US Shipbuilding Industry: A County-Level Analysis of Growth Share, 1998-2007.*

9:20 Neil Reid*, University of Toledo; Frank Calzonetti, University of Toledo; Diane Miller, University of Toledo, *The Role of Universities in Promoting and Supporting Industrial Clusters.*

3151. 2011 Student Honors Paper Competition I (Sponsored by Remote Sensing Specialty Group)

Room: Columbia - Sheraton Hotel, Union Tower, Fourth Floor (Paper Session)

ORGANIZER(S): Sharmistha Swain

CHAIR(S): Sharmistha Swain

8:00 Nicholas M Giner*, Clark University, *An area-based method of accuracy assessment for an object-based image analysis classification of 0.5 meter remotely sensed imagery.*

8:20 Sachidananda Mishra*, Mississippi State University, *A Quasi-Analytical Algorithm to Quantify Phycocyanin Concentration in Turbid Productive Waters.*

8:40 Quan Tang*, Louisiana State University, *Superiority Evaluation of V-I-S (Vegetation-Impervious Surface-Soil) Fractions and Land Surface Temperature for Urban Land Use Classification.*

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- 9:00** Meghan Halabisky*, Remote Sensing and Geospatial Analysis Laboratory, School of Forest Resources, University of Washington; L.Monika Moskal, Remote Sensing and Geospatial Analysis Laboratory, School of Forest Resources, University of Washington; Sonia A Hall, The Nature Conservancy, *Object Based Classification of Semi-Arid Wetlands.*
- 3152. Hazards and Vulnerability**
Room: *Jefferson - Sheraton Hotel, Union Tower, Fourth Floor*
(Paper Session)
ORGANIZER(S): Program Committee
CHAIR(S): Margath A. Walker, University of Kentucky
8:00 Kuan-Hui elaine Lin*, National Taiwan University, *Environment, development, and vulnerability in marginalized society.*
8:20 Stephanie Kate Gibbons*, Central College, *Examining the environmental justice of geographic distributions of TSDFs in Illinois.*
8:40 Huang Jianyi*, *The assessment of regional vulnerability to natural disasters in China based on DEA model.*
9:00 Margath A. Walker, Ph.D*, University of Louisville, *Cultural politics, organizational dilemmas, and dangerous futures.*
- 3154. Creating and Destroying Urban Landscapes**
Room: *Pike - Sheraton Hotel, Union Tower, Fourth Floor*
(Paper Session)
ORGANIZER(S): Program Committee
CHAIR(S): John Miron, University of Toronto
8:00 Martin Danyluk*, University of Toronto, *Fire in the City.*
8:20 Laura Spess*, Penn State University, *A City for No One: Theories of Financialization and the Landscape of Abstract Space in New York City.*
8:40 Godwin Arku*, The University of Western Ontario; Catherine Oosterbaan, City of Barrie, *Competition and Cooperation in Economic Development: Examining the Perceptions of Economic Development City Officials in Ontario, Canada.*
9:00 John Miron*, University of Toronto, *Property markets and the economy of the city: Hurd revisited.*
- 3156. Rural Geography in Developed Countries**
Room: *Seneca - Sheraton Hotel, Union Tower, Fourth Floor*
(Paper Session)
ORGANIZER(S): Program Committee
CHAIR(S): Anne Donovan
8:00 Hye-Jin BU*, Ph.D.student, Okayama University, *Self-governing by Autonomous Organizations in Depopulated Rural Areas: A Case study of Ikekuwa District, Akitakata City, Japan.*
8:20 Sean Markey*, Simon Fraser University, *Minetown, Milltown, Railtown, No Town: Fly-in/Fly-out Resource Development in Northern British Columbia.*
8:40 Tuija Mononen*, University of Eastern Finland, *Mining in Finland: Local responses to eco-social impacts.*
9:00 Ryan Arthun*, University of Montana; Christiane von Reichert, University of Montana; John Cromartie, Economic Research Service, USDA, *The Role of Community Assets in Return Migration to Rural Communities.*
9:20 Anne Donovan*, Emporia State University, *Conviviality at the C-store: Discovering the multiple service functions at rural retail establishments.*
- 3158. Cities, Transportation, Traffic, and the Environment**
Room: *University - Sheraton Hotel, Union Tower, Fourth Floor*
(Paper Session)
ORGANIZER(S): Program Committee
CHAIR(S): Andrew F Clark, McMaster University
8:00 Stéphanie Leheis*, Université Paris-Est/ LATTS, *The highspeed rail network, maturation time or new turn?.*
8:20 Tine F. Ningal*, University College Dublin (UCD); Gerald Mills, Dr., University College Dublin, *Relationship between Traffic and Carbon Sequestration in Inner City Dublin, Ireland.*
8:40 Andrew F Clark*, McMaster University; Darren M Scott, Associate Professor, McMaster University; Niko Yiannakoulis, Associate Professor, McMaster University, *An Ecological Approach to the Relationship Between Active Travel and the Built Environment.*
- 3159. City-Building in Urban Africa: The Contradictory Dynamics of Privilege and Exclusion**
Room: *Virginia - Sheraton Hotel, Union Tower, Fourth Floor*
(Paper Session)
ORGANIZER(S): Martin J. Murray, Taubman College of Architecture and Urban Planning, CAAS University of Michigan; Andy Clarno, University of Illinois at Chicago
CHAIR(S): Martin J. Murray, Taubman College of Architecture and Urban Planning, CAAS University of Michigan
Introducer: Martin J. Murray
8:01 Andy Clarno*, University of Illinois at Chicago, *Fortification and Renewal: Emerging Patterns of Segregation in Post-Apartheid Johannesburg.*
8:16 Claire Decoteau*, University of Illinois at Chicago, *HIV/AIDS and the Struggle for Life in South Africa's Slums.*
8:31 Claire S Herbert*, University of Michigan, *New Cities from Scratch: Public-Private Partnerships and Imagined Private Cities in Africa.*
8:46 Martin J. Murray, Ph.D.*, Taubman College of Architecture and Urban Planning, CAAS University of Michigan, *"Imagining the Urban Future of Africa: Corporate Fantasies, Grounded Realities".*
Discussant(s): Rosalind Fredericks, New York University
- 3161. Cartographic Design and 3D Geovisualization (Sponsored by Environmental Perception and Behavioral Geography Specialty Group, Cartography Specialty Group)**
Room: *Ballard - Sheraton Hotel, Pike Tower, Third Floor*
(Paper Session)
ORGANIZER(S): Christopher Badurek, Appalachian State University
CHAIR(S): Christopher Badurek, Appalachian State University
8:00 Susan J. Bergeron*, West Virginia University, *A Walk on the Virtual Side: exploring the role of spatial narratives in the design and implementation of immersive virtual landscapes.*
8:20 Erika Trigos Rubio*, University of Oxford / University of Denver; James Holmlund, Western Mapping Co; Joseph Nicoli, Western Mapping Co.; Robert Scott, Western Mapping Co., *Vector 3D Visualization Techniques for Multi-Story Structures in Montezuma Castle National Monument.*
8:40 Sven Fuhrmann*, Texas State University, *Developing 3D-Maps for Special Weapons and Tactics Teams.*
9:00 Cheryl A Hagevik*, Appalachian State University; Kathleen Schroeder, Appalachian State University; Christopher Badurek, Appalachian State University, *Mapping Bolivia's Socio-Political Climate: Evaluation of Multivariate Strategies.*
9:20 Lan Mu*, University of Georgia, *Choosing Spatial Clustering Methods to Better Reveal and Understand Health Disparities.*

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- 3165. Career development I: How to publish articles in peer-refereed journals? (Sponsored by China Specialty Group)**
Room: Greenwood - Sheraton Hotel, Union Tower, Third Floor (Panel Session)
 ORGANIZER(S): Qihao Weng, Indiana State University
 CHAIR(S): Qihao Weng, Indiana State University
 Panelists: Yehua Dennis Wei, University of Utah; Qihao Weng, Indiana State University; Yingkui Li, University of Tennessee; Wei Xu, University of Lethbridge; Gregory Veeck, Western Michigan University
- 3166. Critical geographies of post-communist cities 1: Legacies and current trajectories (Sponsored by Russian, Central Eurasian, and East European Specialty Group)**
Room: Issaquah A - Sheraton Hotel, Union Tower, Third Floor (Paper Session)
 ORGANIZER(S): Jessica K. Graybill, Colgate University; Megan Dixon, College of Idaho
 CHAIR(S): Roman Matousek, Charles University in Prague
8:00 Dmitrii Sidorov*, CSULB, *Localizing and visualizing civilizational geopolitics: Ilya Glazunov's painting 'Eternal Russia'*.
8:20 Mary S. Robinson*, Miami University, *Domesticating neoliberalism in the lives of working women in Kosovo*.
8:40 Lajos Boros*, University of Szeged, *Changing symbolic spaces in post-socialist urban landscapes*.
9:00 Craig Young, Dr*, Manchester Metropolitan University; Duncan Light, Associate Professor, Liverpool Hope University, UK, *Mobile corpses, 'dead body politics' and myths of the nation: Communist bodies, 'deathwork' and mobilities in socialist and post-socialist Bucharest*.
 Discussant(s): Megan Dixon, College of Idaho
- 3167. Integrating global value chains and rural livelihoods**
Room: Issaquah B - Sheraton Hotel, Union Tower, Third Floor (Paper Session)
 ORGANIZER(S): Edward Challies, Victoria University of Wellington
 CHAIR(S): Edward Challies, Victoria University of Wellington
8:00 Edward Challies, PhD*, Victoria University of Wellington, *Transnational private regulation of the agri-food system and rural livelihoods in Chile's non-traditional agricultural export sector*.
8:20 Warwick E Murray, PhD, Director Geography Programme*, Victoria University of Wellington, *Remaking Casablanca: The Sources and Impacts of Rapid Local Transformation in Chile's Wine Industry*.
8:40 John Overton*, *Good for the conscience? Wine consumption preferences and productive responses on the periphery*.
9:00 Amy Trauger, University of Georgia; Andrew Murphy*, Massey University, *Political and cultural economies of organic food supply chains: Views from the Dominican Republic and the United Kingdom*.
9:20 Annette Quintero*, California State University, Long Beach, *Feeding the Market: An Analysis of Household Food Accessibility in Cañas, Gunacaste, Costa Rica*.
- 3168. 'New' gendered and sexual politics for 'new' equalities landscapes? Session 1 - Opening panel. (Sponsored by Sexuality and Space Specialty Group)**
Room: Kirkland - Sheraton Hotel, Union Tower, Third Floor (Panel Session)
 ORGANIZER(S): Catherine Jean Nash; Kath Browne, University of Brighton
 CHAIR(S): Catherine Jean Nash
 Introducer: Natalie Oswin
 Panelists: Lawrence Knopp, University of Washington Tacoma; Catherine Jean Nash; Julie Podmore, John Abbott College
- 3170. Transformation and Change in Sociotechnical Infrastructure**
Room: Medina - Sheraton Hotel, Union Tower, Third Floor (Paper Session)
 ORGANIZER(S): Nichole Dusyk, University of British Columbia
 CHAIR(S): Nichole Dusyk, University of British Columbia
8:00 Lily A. House-Peters*, University of Arizona, *In Pursuit of the Water Sensitive City: Examining the Institutionalization of Alternative Water Technologies in Melbourne, Australia*.
8:20 Thomas Berkhout, Ph.D. Candidate*, University of British Columbia; Arnim Wiek, Assistant Professor, School of Sustainability, Arizona State University, *Transformative Goals, Incremental Actions: A Case Study of Electricity Efficiency and Conservation Planning in British Columbia, Canada*.
8:40 Nichole Dusyk*, University of British Columbia, *Transformation without controversy? The case of the Peace Energy Cooperative*.
9:00 Andrew Curley, PhD student*, Department of Development Sociology, Cornell University, *The Politics of Alternatives: How environmental justice organizations are reframing economic development on the Navajo Nation*.
 Discussant(s): Sonja Klinsky, University of British Columbia
- 3171. Author Meets the Critics for "Contesting Community" by James DeFilippis, Robert Fisher, and Eric Shragge**
Room: Metropolitan Ballroom A - Sheraton Hotel, Third Floor (Panel Session)
 ORGANIZER(S): Nicholas Dahmann, University of Southern California
 CHAIR(S): Nicholas Dahmann, University of Southern California
 Discussant(s): Nik Theodore; James C. Fraser, Vanderbilt University; Nicholas Dahmann, University of Southern California; Melissa R. Gilbert, Temple University; James DeFilippis, Rutgers University
- 3172. Geography of China at the University of Washington (Sponsored by China Specialty Group)**
Room: Metropolitan Ballroom B - Sheraton Hotel, Third Floor (Panel Session)
 ORGANIZER(S): Stanley Toops, Miami University
 CHAIR(S): Kam Wing Chan, University of Washington
 Panelists: Charles Greer, Indiana University; Stanley Toops, Miami University; Kam Wing Chan, University of Washington; Li Zhang, Fudan University; Astrid Cerny; Darrin Magee, Hobart & William Smith Colleges
- 3173. Remote Sensing of Landscapes and Ecosystems in Alaska**
Room: Queen Anne - Sheraton Hotel, Union Tower, Third Floor (Paper Session)
 ORGANIZER(S): Jennifer Rover, United States Geological Survey; Lei Ji
 CHAIR(S): Jennifer Rover, United States Geological Survey
8:00 Jennifer Rover*, United States Geological Survey; Bruce K Wylie, United States Geological Survey; Lei Ji, ASRC Research and Technology Solutions; Larry L Tieszen, United States Geological Survey, *Investigation of Weather Influences on Surface Water Extents in the Yukon Flats, Alaska*.
8:20 Bruce Wylie*, USGS; Jennifer A Rover, USGS EROS; Kevin Murnaghan, CCRS; Jordan Long, USGS EROS; Larry L Tieszen, USGS EROS; Brian Brisco, CCRS, *Monitoring boreal forest performance in the Yukon River Basin*.
8:40 Birgit Peterson*, ASRC Research and Technology Solutions; Bruce Wylie, USGS Earth Resources Observation and Science Center; Jason Stoker, USGS

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- Earth Resources Observation and Science Center, *Vegetation Structure Estimation for the Yukon Flats using Lidar*.
- 9:00** Lei Ji*, ARTS, contractor to the USGS Earth Resources Observation and Science (EROS) Center; Bruce K. Wylie, USGS Earth Resources Observation and Science (EROS) Center; Dana R. Noss, Boreal Ecology Cooperative Research Unit, University of Alaska Fairbanks; Birgit Peterson, ARTS, contractor to the USGS Earth Resources Observation and Science (EROS) Center; Mark P. Waldrop, USGS; Teresa N. Hollingworth, Boreal Ecology Cooperative Research Unit, Pacific Northwest Research Station, USDA Forest Service; Jennifer Rover, USGS Earth Resources Observation and Science (EROS) Center, *Aboveground Biomass Estimation For The Yukon River Basin With Landsat Data*.
- 9:20** Laura Louise Bourgeau-Chavez*, Michigan Tech Research Institute; Richard Dobson, MTRI; Benjamin W. Koziol, MTRI, *Mapping Soil Moisture with Imaging Radar Data in the Yukon River Basin*.
- 3174. Diverse Economies of Dwelling (Sponsored by Geographic Perspectives on Women Specialty Group, Economic Geography Specialty Group)**
Room: Ravenna - Sheraton Hotel, Union Tower, Third Floor (Paper Session)
 ORGANIZER(S): Oona Morrow, Clark University
 CHAIR(S): Jenny Cameron, University of Newcastle
8:00 Oona Morrow*, Clark University, *Making Self, Making Home: diverse economies of DIY and Craft*.
8:20 Amanda Huron*, Graduate Center, CUNY, *Revaluing Home: Diverse Economies of Collective Home Ownership*.
8:40 Louise Crabtree, Dr*, University of Western Sydney, *Many Roads lead to Home: exploring post-capitalist and post-colonialist housing models and home-places*.
9:00 Ann Varley*, UCL (University College London), *Normalizing informality? Dwelling, mobility and property in the home*.
9:20 Neil J Nunn*, *Recycling cooperative: a space for gender parity?*.
- 3176. Space-Time Patterns of Sediment Transport from High-Resolution Data Analysis (Sponsored by Geographic Information Science and Systems Specialty Group, Space-Time Symposium, Geomorphology Specialty Group)**
Room: Aspen Room - Sheraton Hotel, Second Floor (Paper Session)
 ORGANIZER(S): Thad Wasklewicz, East Carolina University; Dennis Staley, U.S. Geological Survey
 CHAIR(S): Thad Wasklewicz, East Carolina University
8:00 Thad Wasklewicz, Ph.D.*, East Carolina University, *Conceptualizing Patterns of Sediment Transport from High-Resolution Spatial and Coarse Resolution Temporal Data Analysis*.
8:20 Dennis Staley*, U.S. Geological Survey; Thad A. Wasklewicz, East Carolina University, *Observations of Sediment Transport in a Recently Burned Watershed Using Terrestrial Laser Scanning*.
8:40 Thaddeus Wester*, East Carolina University; Thad A. Wasklewicz, Phd, East Carolina University; Dennis M Staley, Phd, U.S. Geological Survey; Jason W Kean, U.S. Geological Survey, *Observations of Unsealed Road Impacts on a Recently Burned Drainage Basin*.
9:00 Cal Scheinert*, East Carolina University Student; Thad Wasklewicz, Ph.D., East Carolina University; Dennis M Staley, Ph.D., USGS Landslide Hazards Program, *The Complex Response of an Alluvial Fan from a Debris Flow in Chalk Cliffs Central Colorado, USA*.
- 9:20** Kathryn Reavis*, East Carolina University; Thad A. Wasklewicz, Ph.D., East Carolina University Department of Geography; Dennis M Staley, Ph.D., Landslide Hazards Program, US Geological Survey, Golden, CO, United States, *Monitoring two seasons of debris flow induced channel morphodynamics, Chalk Cliffs, CO*.
- 3177. Spatiotemporal Properties of Transportation Systems (Sponsored by Space-Time Symposium)**
Room: Cedar Room - Sheraton Hotel, Second Floor (Paper Session)
 ORGANIZER(S): Space-Time Symposium Organizing Committee
 CHAIR(S): Kazumasa Hanaoka
8:00 Xiaobai Yao, Dr. *, University of Georgia, *Study the impact of urban morphology on traffic*.
8:20 Martin Swobodzinski*, San Diego State University, *Revealed and Stated Preferences of Participants in Online Public-Participation Transportation Planning*.
8:40 Jiuyuan Liu*, *Interactive Transit Based on Temporal GIS*.
9:00 Kazumasa Hanaoka*, Department of Geography, Ritsumeikan University; Tomoki Nakaya, Department of Geography, Ritsumeikan University; Keiji Yano, Department of Geography, Ritsumeikan University; Takashi Kirimura, Department of Geography, Ritsumeikan University, *Microsimulating Spatio-temporal Commuting Behavior of University Students in Kyoto City, Japan*.
- 3178. Space-Time Language (Sponsored by Geographic Information Science and Systems Specialty Group, Space-Time Symposium)**
Room: Douglas Room - Sheraton Hotel, Second Floor (Paper Session)
 ORGANIZER(S): Kathleen Stewart Hornsby, University of Iowa
 CHAIR(S): Kathleen Stewart Hornsby, University of Iowa
8:00 Alexander Klippel*, The Pennsylvania State University; Anthony Robinson, The Pennsylvania State University; Frank Hardisty, The Pennsylvania State University, *Explorations in Geographic Event Language*.
8:20 Wei Wang*, The University of Iowa; Kathleen Stewart Hornsby, PhD, The University of Iowa, *Detecting Spatiotemporal Semantic Information in Web Documents*.
8:40 Curdin Derungs*, University of Zürich; Ross Purves, University of Zürich; Bettina Waldvogel, Swiss Federal Research Institute WSL, *Disambiguation of fine granularity toponyms using morphometric information*.
9:00 Gaurav Sinha*, Ohio University; Eric Lovell, Ohio University, *Representing Maasai Pastoralism in Space-Time to Explore Climate Change Adaptation Strategies*.
 Discussant(s): David M. Mark, University at Buffalo
- 3179. The Cultivation and Conservation of Biological Diversity, Part I (Sponsored by Cultural and Political Ecology Specialty Group, Biogeography Specialty Group, Development Geographies Specialty Group)**
Room: Grand Ballroom A - Sheraton Hotel, Second Floor (Panel Session)
 ORGANIZER(S): Emma Gaalaas Mullaney, The Pennsylvania State University; Deborah Scott, Rutgers University
 CHAIR(S): Leslie Gray, Santa Clara University
 Panelists: Erica Smithwick; Andrew Hansen; Leslie Gray, Santa Clara University; Brian King, The Pennsylvania State University; Karl S. Zimmerer, The Pennsylvania State University

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- 3180. Author meets the critics session on Karen Bakker's new book "Privatizing Water: Governance failure and the world's urban water crisis (Cornell University Press) "**
Room: *Grand Ballroom B - Sheraton Hotel, Second Floor*
 (Panel Session)
 ORGANIZER(S): Bharat Punjabi, University of Western Ontario
 CHAIR(S): Bharat Punjabi, University of Western Ontario
 Discussant(s): Farhana Sultana, Syracuse University; Roger Keil, York University
 Panelists: Vinay K. Gidwani, University of Minnesota; Alana Boland, University of Toronto
- 3182. Municipalities, Regions, Spokes, and HUBS: Exploring Networks and Policy Change (Sponsored by Urban Geography Specialty Group, Socialist and Critical Geography Specialty Group)**
Room: *Grand Ballroom D - Sheraton Hotel, Second Floor*
 (Paper Session)
 ORGANIZER(S): Cristina Temenos, Simon Fraser University; Freya Kristensen
 CHAIR(S): Lindsay Galbraith, University of Cambridge
8:00 Jessica E Carriere*, University of Toronto, *Public Policy 'in Motion': Tracking the Discursive Circulation of Place Based Policy from London (UK) to Toronto.*
8:20 Cristina Temenos*, Simon Fraser University; Eugene McCann, Simon Fraser University, *Branding and mobilizing sustainability in Whistler, BC: The production, practice, and circulation of a sustainability model.*
8:40 Eugene McCann, Dr, Simon Fraser University; Kevin Ward, Professor*, University of Manchester, *Assembling Urbanism: Methodological Notes.*
9:00 Tom Baker*, University of Newcastle, Australia, *Approaching urban policy transfer: the geography, politics and practice of mobilising policy.*
9:20 Freya Kristensen*, Simon Fraser University, *Networks as urban policy-makers: A new space for climate change governance?.*
- 3184. Cold Regions**
Room: *Madrona Room - Sheraton Hotel, Second Floor* (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Laura Carnahan
8:00 Kelly Erika Gleason, M.S.*, Oregon State University, *Selecting Representative Research Site Locations within a Catchment to Capture Accurate Snow and Eco-hydrology Data.*
8:20 Kevin G McManigal*, Department of Geography, The University of Montana; Ulrich Kamp, Department of Geography, The University of Montana; Avirmed Dashtseren, Institute of Geography, Mongolia Academy of Sciences; Michael Walther, Environmental Education Centre, National University of Mongolia, *Retracing the 1910 Carruthers Royal Geographical Society Expedition to the Turgen Mountains of Mongolia: Reconstruction of a Century of Glacial Change.*
8:40 Paul E. Todhunter, Dr.*, University of North Dakota; Brian Torborg, University of North Dakota, *A Climatology of Seasonally Frozen Soils at Fargo, North Dakota: 1982-2001.*
9:00 Laura Carnahan*, University of Wisconsin - Oshkosh, *Statistical Significance Testing for Trajectory Grouping Techniques.*
- 3186. Critical space-time geographies I (Sponsored by Space-Time Symposium)**
Room: *Willow A - Sheraton Hotel, Second Floor* (Paper Session)
 ORGANIZER(S): Tim Schwanen, University of Oxford; Mei-Po Kwan, Ohio State University
 CHAIR(S): Tim Schwanen, University of Oxford
8:00 Gill Valentine*, University of Leeds, *Lived Difference: the transmission of positive and negative attitudes towards 'others'.*
8:20 Irina Van Aalst*, Utrecht University; Tim Schwanen; Jelle Brands; Tjerk Timan, *Rhythms of the night: spatiotemporal differentiations in nightscape visitors.*
8:40 Sophia R Bowlby*, University of Reading, *The time-space organization of care.*
9:00 Ben Rogaly*, University of Sussex; Susan Thieme, University of Zurich, *Experiencing space-time: the stretched lifeworlds of migrant workers in India.*
 Discussant(s): Mike A. Crang, University of Durham
- 3187. Topics in Gazetteer Construction (Sponsored by Space-Time Symposium, Harvard University Center for Geographic Analysis, Association of American Geographers)**
Room: *Willow B - Sheraton Hotel, Second Floor* (Paper Session)
 ORGANIZER(S): Humphrey Southall, University of Portsmouth
 CHAIR(S): Ruth Mostern, University of California - Merced
8:00 Krzysztof Janowicz*, The Pennsylvania State University, *Understanding Geographic Feature Types.*
8:20 Karl Grossner*, University of California, Santa Barbara, *Modeling Events and Processes in Historical GIS.*
8:40 Humphrey Southall*, University of Portsmouth, *Modelling European administrative hierarchies and geographies.*
 Discussant(s): Glen Hart, Ordnance Survey

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- 3203. Researching and Improving Geography Graduate Education for STEM Careers (Sponsored by Enhancing Departments and Graduate Education project (EDGE))**
Room: 603 - Washington State Convention Center, Level 6
(Paper Session)
ORGANIZER(S): Michael N. Solem, Association of American Geographers
CHAIR(S): Michael N. Solem, Association of American Geographers
Introducer: Michael N. Solem
10:05 Beth Schlemper*, University of Toledo, *Professional Geographers at Work in Business, Government, and Non-Profit Organizations.*
10:20 Michael N. Solem, PhD*, Association of American Geographers, *Career Planning and Graduate Education: Comparing the Views of Graduate Students and Faculty.*
10:35 Janice Monk*, University of Arizona, *Directions and Challenges in Masters Programs in Geography in the US.*
10:50 Jean E. McKendry*, Association of American Geographers, *The Demand for Geographers and Geographic Skills in Business, Government, and Non-Profit Organizations: A Case Study Approach.*
Discussant(s): Elizabeth Rudd, University of Washington
- 3204. Borders and Boundaries**
Room: 604 - Washington State Convention Center, Level 6
(Paper Session)
ORGANIZER(S): Program Committee
CHAIR(S): Gabriel Popescu, Indiana University South Bend
10:00 Jouni Häkli*, University of Tampere, *The role of trust in cross-border cooperation.*
10:20 Tobi N Jeans, M.E.S. Candidate*, University of Saskatchewan; David C. Natcher, Ph.D, University of Saskatchewan, *Wild Food Exchange Among the Gwich'in: Linking Families and Communities Across Geopolitical Boundaries.*
10:40 Jeremy Slack*, University of Arizona; Jeremy Marshall Slack, The University of Arizona, *Amanecen Muertos: Waking Up Dead on the Border.*
11:00 Francisco Lara*, Arizona State University, *Creating an ecological network in the U.S.-Mexico border: an institutional analysis.*
11:20 Gabriel Popescu*, Indiana University South Bend, *Embodying borders: techno-conquering the final frontier.*
- 3206. Contemporary Tourism Mobilities - The Geographies of Lifestyle Migration (cosponsor: ATLAS Tourism Geographies Research Group) (Sponsored by Recreation, Tourism, and Sport Specialty Group)**
Room: 606 - Washington State Convention Center, Level 6
(Paper Session)
ORGANIZER(S): Alan A. Lew, Northern Arizona University; Maria Casado-Diaz, University of the West of England
CHAIR(S): Alan A. Lew, Northern Arizona University
10:00 Maria A Casado-Diaz, Senior Lecturer in Tourism*, University of the West of England, *Tourism, Migration and Social Capital: Exploring International Retirement Migration.*
10:18 Scott A. Cohen, Bournemouth University, United Kingdom; Maria Thulemark*, Dalarna University; Tara Duncan, University of Otago, New Zealand, *Conceptualising lifestyle mobilities.*
10:34 Abigail Foulds*, University Of Kentucky, *The Cosmopolitan Allure of Granada, Nicaragua to Lifestyle Migrants.*
10:50 Huili Hao*, East Carolina University; Derek Alderman, East Carolina University; Pat Long, East Carolina University, *Homeowners' Attitudes toward Tourism in a Mountain Resort Community: A Comparison of Seasonal and Permanent Property Owners.*
11:06 Susanna Heldt Cassel*, Dalarna University, Sweden, *Lifestyle and work related temporal mobility to winter destinations - experiences from focus group interviews.*
11:22 Vivianna Rojas, Associate Professor, University of Texas San Antonio; David Truly*, University of Autonoma Guadalajara Mexico, *Aging and Dying in Mexico: When Foreign Retirees Never Leave.*
- 3207. Water-- the nexus of security and stability (Sponsored by Military Geography Specialty Group)**
Room: 607 - Washington State Convention Center, Level 6
(Paper Session)
ORGANIZER(S): L. Jean Palmer-Moloney, USACE - ERDC
CHAIR(S): L. Jean Palmer-Moloney, USACE - ERDC
10:00 Aaron Wolf, Oregon State University
- 3208. Marine Managment Challenges: Debris, Urbanization, and Vulnerability**
Room: 608 - Washington State Convention Center, Level 6
(Paper Session)
ORGANIZER(S): Program Committee
CHAIR(S): Susan Digby, Olympic College
10:00 Matthew Marsik*, NOAA Fisheries, Northwest Fisheries Science Center, Seattle, WA, 98112; Driss Ennaanay, Stanford University, Palo Alto, CA, 94305; Anne Guerry, Stanford University, Palo Alto, CA, 94305 and NOAA Fisheries, Northwest Fisheries Science Center, Seattle, WA, 98112; C.K. Kim, Stanford University, Palo Alto, CA, 94305; Mary Ruckelshaus, Stanford University, Palo Alto, CA, 94305 and NOAA Fisheries, Northwest Fisheries Science Center, Seattle, WA, 98112; David Sutherland, Stanford University, Palo Alto, CA, 94305 and NOAA Fisheries, Northwest Fisheries Science Center, Seattle, WA, 98112, *Watershed-estuary models to evaluate trade-offs between watershed and marine management strategies.*
10:20 Michael Beland*, Dept. of Geography, San Diego State University; Trent Biggs, Ph.D., Dept. of Geography, San Diego State University, *Decadal Climate Variability, Urbanization and Changes in Estuarine Vegetation.*
10:40 Beverley D Clarke, PhD*, Flinders University, *coastal habitat vulnerability assessment, identification and action.*
11:00 David R Green*, CMCZM University of Aberdeen; Thomas Danks, CMCZM University of Aberdeen, *GIS-based Monitoring and Mapping of Beach Litter.*
11:20 Susan A Digby, PhD*, Olympic College, *Understanding Marine Debris in Dyes Inlet, Puget Sound, Washington State.*
- 3209. USGS Historical Data: Key to Benchmarking Today, Forecasting Tomorrow**
Room: 609 - Washington State Convention Center, Level 6 (Paper Session)
ORGANIZER(S): Jon Campbell, United States Geological Survey
CHAIR(S): Matt Larsen, United States Geological Survey
10:00 Greg Allord*, United States Geological Survey, *USGS Historical Quadrangle Scanning Project.*
10:20 Richard Dinicola*, United States Geological Survey, *Historic Data from the U.S. Geological Survey Streamgaging Program.*

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10:40 Bruce Peterjohn*, United States Geological Survey; Elaine Nakash, U.S. Geological Survey; Danny Bystrak, U.S. Geological Survey; Jo Anna Lutmerding, U.S. Geological Survey, *The Role of Bird Banding Data in Long-Term Ecosystem Studies*.

11:00 Kristi Kline*, United States Geological Survey, *Changing Views of Earth from Space: The Landsat Imagery Archive*.

11:20 Jessica Zelt*, Patuxent Wildlife Research Center; Sam Droege, U.S. Geological Survey; Jake Weltzin, U.S. Geological Survey; Alyssa Rosemartin, USA-National Phenology Network, *North American Bird Phenology: Unlocking a 120 year old Legacy Dataset*.

3211. Spatial Epidemiology 2 - Accessibility to Health Care Resources (Sponsored by Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group, Health and Medical Geography Specialty Group)

Room: 611 - Washington State Convention Center, Level 6 (Paper Session)

ORGANIZER(S): Eric M. Delmelle, UNC-Charlotte; John DeGroot, University of Northern Iowa

CHAIR(S): Debarchana Ghosh, Kent State University

Introducer: Debarchana Ghosh

10:00 JING YAO*, Arizona State University; Alan T. Murray, Arizona State University; Victor Agadjanian, Arizona State University; Sarah Hayford, Arizona State University, *Exploratory Spatial Analysis of Sexual and Reproductive Health Services Utilization in Rural Mozambique*.

10:20 Daniel J Lewis*, UCL; Paul A Longley, UCL, *Preference and Constraint in Primary Care, an Individual-Level Study of the NHS in Southwark, London, UK.*

10:40 W. Jay Christian, MPH*, University of Kentucky, *Using Geospatial Technologies to Characterize Relationships Among Travel Behavior, Food Accessibility, and Health*.

11:00 Sara McLafferty*, University of Illinois; Alisa Shockley, University of Illinois at Urbana-Champaign, *Modeling geocoding error in analyzing spatial accessibility to primary care physicians*.

11:20 Fahui Wang*, Louisiana State University; Quan Tang, LSU, *Toward Equal Accessibility to Healthcare Services: A Quadratic Programming Approach*.

3212. Immanent Materialisms in Geography: Marx, Deleuze, Spinoza and Space 2 (Sponsored by Political Geography Specialty Group, Socialist and Critical Geography Specialty Group)

Room: 612 - Washington State Convention Center, Level 6 (Paper Session)

ORGANIZER(S): Nathan Lee Clough, University of Minnesota

CHAIR(S): Nathan Lee Clough, University of Minnesota

10:00 Jeff Popke*, East Carolina University, *Labor, Space and the Common: On Negri's Ethical Materialism and Nonrepresentational Theory*.

10:20 Garnet Kindervater*, University of Minnesota, *Aleatory Materialism and the Future*.

10:40 Arun JJ Saldanha*, University of Minnesota - Minneapolis, *Communism Without Transcendence: Workers of the World Multiply!*.

Discussant(s): Susan Ruddick, University of Toronto; Katharine Hall, University of Minnesota; Jason Read, University of Southern Maine

3213. Tangibles, Intangibles and New Geographies of Manufacturing/Production: Beyond Global Production Networks? (2) (Sponsored by Economic Geography Specialty Group)

Room: 613 - Washington State Convention Center, Level 6 (Paper Session)

ORGANIZER(S): John Bryson, University of Birmingham; Vida Vanchan, Buffalo State College

CHAIR(S): Vida Vanchan, Buffalo State College

10:00 Francesca Silvia Rota*, Politecnico e Università di Torino - DITER, *The territorially embedded multinational company. A conceptual framework and empirical evidence from Piedmont (Italy)*.

10:20 Pedro Marques, Dr*, CURDS, Newcastle University, *A bottom-up approach to automobile global production networks*.

10:40 Stine Haakonsson*, Copenhagen Business School, *When Business Goes Global: Transferring Knowledge, Norms, and Practices in Global Value Chains*.

11:00 Javier Revilla Diez*, Institute of Economic Geography, University of Hannover; Jan Philipp Kramer*, Institute of Economic Geography, University of Hannover, *Catching the local buzz by embedding? Empirical Insights into the Regional Embeddedness of Multinational Enterprises in Europe*.

11:20 Shiri M. Breznitz*, Georgia Institute of Technology, *Separating the Head From the Body? The Israeli Biotechnology Industry*.

3214. Paradoxes of Value in the Green Economy II (Sponsored by Human Dimensions of Global Change Specialty Group, Energy and Environment Specialty Group, Economic Geography Specialty Group)

Room: 614 - Washington State Convention Center, Level 6 (Paper Session)

ORGANIZER(S): Sarah Knuth, UC - Berkeley; Adam Romero, University of California Berkeley

CHAIR(S): Sarah Knuth, UC - Berkeley

10:00 Adam Romero*, University of California Berkeley, *Can Capitalism Survive? Sophisticated Accumulation at the Waste Frontier: Environmental Policy and the Production of Value*.

10:20 Diana Gildea*, Lund University, *Food Security and Surviving the World Food System: producing & consuming food in the modern era*.

10:40 Shaina Potts*, UC Berkeley Geography, *Petrodollar Recycling, Euromarkets and the Forging of Modern Finance*.

11:00 Alberto Velazquez*, University of California, Berkeley, *The Financialization of Carbon and Theories of Money*.

Discussant(s): Sarah Knuth, UC - Berkeley

3215. Approaches to Exploring and Re-Presenting Geographies of Bodies, Disability, and Well-Being II (Sponsored by Qualitative Research Specialty Group, Geographic Perspectives on Women Specialty Group, Disability Specialty Group)

Room: 615 - Washington State Convention Center, Level 6 (Panel Session)

ORGANIZER(S): Pamela Moss, University of Victoria; Hannah Macpherson, University of Brighton

CHAIR(S): Hannah Macpherson, University of Brighton

Panelists: Toni A. Alexander, Auburn University; David Bissell, The Australian National University; David Conradson, University of Canterbury; Jennifer Lea, Loughborough University; Divya Praful Tolia-Kelly, Durham University

THURSDAY, APRIL 14 • 10:00 AM - 11:40 AM • 3200**3216. Socio-Cultural Dimensions of Climate Change 2 (Sponsored by Cultural and Political Ecology Specialty Group, Human Dimensions of Global Change Specialty Group, Ethics, Justice, and Human Rights Specialty Group)**

Room: 616 - Washington State Convention Center, Level 6
(Paper Session)

ORGANIZER(S): Barbara Walker, UC Santa Barbara; David Lopez-Carr, UC Santa Barbara

CHAIR(S): Cheryl Chen, UC Santa Barbara

10:00 Simon D Donner*, University of British Columbia; Jessica Lehman, University of British Columbia; Sophie Webber, University of British Columbia, *Climate change adaptation under uncertainty: Case study of sea level rise in Kiribati.*

10:20 Kathleen Ann Dietrich, Doctoral Candidate*, Pennsylvania State University, *Deforestation, Climate Change, Adaptation: Mixing Discourses during Scenario Building for Climate Change Adaptation in Ghana.*

10:40 Cheryl Anderson, PhD, AICP*, Hazards, Climate, & Environment Program, University of Hawaii Soc Sci Research, *Socio-cultural Adaptation Lessons from the Pacific Islands through Integrated Management.*

11:00 Joseph Holler*, SUNY at Buffalo, *Knowledge networks of community environmental groups and implications for adaptive capacity on Mount Kilimanjaro.*

11:20 Julian S. Yates*, University of British Columbia, *Grappling with Complexity in frameworks for Assessing Adaptive Capacity: Exploring Institutional Constraints in Nepal.*

3217. Interstitial and Subversive Food Spaces II: Governance (Sponsored by Cultural and Political Ecology Specialty Group, Rural Geography Specialty Group)

Room: 617 - Washington State Convention Center, Level 6
(Paper Session)

ORGANIZER(S): Ryan Edward Galt, University of California, Davis; Leslie Gray, Santa Clara University

CHAIR(S): Patrick T. Hurley, Ursinus College

10:00 Nathan McClintock*, University of California, Berkeley, *Radical Radicles or Garden-Variety Neoliberalism? Unearthing Urban Agriculture's Contradictions.*

10:20 George Hubert*, UC Davis, *Paradigmatic Contradictions of Traditional Indian Dairy within an Anti-Market Regulatory Context.*

10:40 Karl Zimmerer*, Pennsylvania State University, *Variation and Contestation of Interstitial Spaces in Organic Farming and Milk Production: Potential Implications for Alternative Food Systems.*

11:00 Renata Blumberg*, University of Minnesota, *Forging spaces for alternative food in emerging spaces of Europeanization.*

11:20 Jonathan D. Brown*, *Learning Gardens: Cultivating Food for Thought on School Grounds.*

3218. Media Culture and Development

Room: 618 - Washington State Convention Center, Level 6
(Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Andrew Thomas Warren, University of Wollongong

10:00 Zheng Yi*, Beijing Academy of S&T; yi zheng, Beijing Academy of S&T, *Do creative industry contribute to China Economic development?.*

10:20 Tommi A Inkinen*, University of Helsinki, *Doing Geography: Publishing and Editing a Geographical Journal in Finland.*

10:40 Shinji HARA*, Kagawa University, *Flexible Semi-Temporary Organization in Global Inter-Cluster Relations: A Case of FX Cartel in Montreal and Hollywood Movie Project.*

11:00 Florian Fischer*, OeAW-GIScience, *Impacts of Local Search Media on the Experience of Urban Public Space.*

11:20 Andrew Thomas Warren*, University of Wollongong, *Local makers, global markets: The decline of artisan production in the surfboard industry..*

3219. Finding Your Way: GPS, route selection, and new data sources (Sponsored by Transportation Geography Specialty Group)

Room: 619 - Washington State Convention Center, Level 6
(Paper Session)

ORGANIZER(S): Julie Cidell, University of Illinois

CHAIR(S): Darren M Scott, McMaster University

10:00 Thomas J Pingel, Ph.D.*, University of California, Santa Barbara; Keith C Clarke, Ph.D., University of California, Santa Barbara, *Strategic Elements of Route Choice for Next Generation Digital Navigation Systems.*

10:20 Darren M Scott, PhD*, McMaster University; Dominik Papinski, PhD, Wilfrid Laurier University, *Route Choice Efficiency: An Investigation of Home to Work Trips using GPS Data.*

10:40 Anastasia Moiseeva*, Technical University Eindhoven; Harry Timmermans, Technical University Eindhoven, *Evolving Spatio-Temporal Activity-Travel Patterns of Newcomers in Urban Areas: Analysis of Multi-Week GPS Tracers.*

11:00 Adel Bolbol*, University College London; Tao Cheng, Dr, UCL; Ioannis Tsapakis, Dr, UCL; Artemis Skarlatidou, UCL, *Identifying Intermediary Modes from GPS Data.*

11:20 Matthias Kracht*, Freie Universität Berlin; Matias Ruiz Lorbacher, Freie Universität Berlin; Steven Bayer, Freie Universität Berlin; Martin Ruhe, German Aerospace Center, *Floating Car Data As Means For Traffic Speed Detection And Pollution Assessment - Lessons From The Emerging Mega City Hefei (China).*

3220. Issues in Ethnic Geography II (Sponsored by Population Specialty Group, Urban Geography Specialty Group, Ethnic Geography Specialty Group)

Room: 620 - Washington State Convention Center, Level 6
(Paper Session)

ORGANIZER(S): Stavros T. Constantinou, Ohio State University

CHAIR(S): Stavros T. Constantinou, Ohio State University

10:00 Justin Tse*, University of British Columbia, Department of Geography, *Ethnic Enclaves and Parallel Religious Lives? The Civic Imaginations and Practices of Cantonese Christians in Vancouver and San Francisco.*

10:20 Melissa Kelly*, Uppsala University, *Swedish Iranians in London: Onward Migration and Transnational Mobility within the EU.*

10:40 Alexandra Giancarlo*, Louisiana State University, *Activism, Environmental Justice, and the Lower Ninth Ward: An Historical Perspective.*

11:00 Stephanie N Hudson*, Stephanie N Hudson, *A Matrilineal Family GeoHistory.*

11:20 Ramon L. Concepcion Torres*, University of North Carolina at Charlotte; Heather A Smith, University of North Carolina at Charlotte; Hazel Tapp, Carolinas Medical Center, Department of Family Medicine; Lauren Mowrer, Carolinas Medical Center, Department of Family Medicine; Diana Poulimenos, University of North Carolina at Chapel Hill, *Improving Primary Health Care Delivery to an Uninsured and Transitioning Hispanic Immigrant Community.*

THURSDAY, APRIL 14 • 10:00 AM - 11:40 AM • 3200**3221. Urban Geography**

Room: 6ABC - Washington State Convention Center, Level 6

(Poster Session)

ORGANIZER(S): Program Committee

Lorie A. Palm, GISP*, Montana Department of Commerce,
*Migration: Using Internal Revenue Service Returns Data to Examine Changing Communities.*Jeffrey S. Smith*, Kansas State University, *The Financial Costs and Benefits of Unauthorized Immigrants.*Krista Craven, PhD Candidate*, Vanderbilt University, *Education and refugee resettlement: How teachers understand and address the resettlement needs of refugee youth in Canada.*Stephen Christopher Martin, MA*, University of Arizona; Beth Mitchneck, PhD, University of Arizona, *Spaces of Insecurity: Hegemony, Territoriality, and the Mental Maps of Russian Migrants.*Malu Guillen*, *Day labor and Illegal Immigration in Fort Worth.*Karen D Johnson-Webb, Ph.D.*, Bowling Green State University, *Race and Ethnic Labor Market Segmentation in Toledo, Ohio, 2000.*Molly Storrs*, University of Cincinnati, *Urban Horizons: Improving Quality of Life with Affordable High Density Housing in the Context of American Neoliberalism.*Tory Lightfoot*, Oklahoma State University, *The Demand for Walkability in Midtown Tulsa.*Chang Yang-Yi*, Tohoku University, *Spatial Characteristics on Age Groups in Regional Central Cities of South Korea and Japan.*Cristina R L Benton*, Michigan State University; Igor Vojnovic, PhD, Michigan State University, *Investment in the infrastructure of play and social and physical upgrading in Chicago.*Jason Hurst*, The University of Memphis; Gregory N. Taff, Ph.D., The University of Memphis, Department of Earth Sciences; Bob Schreiber, The Greater Memphis Greenline, Inc., *Utilizing GIS to expand network of pedestrian/cyclist trails throughout Memphis.*Blake Christenson*, Southern Illinois University - Carbondale; James LeBeau, Dr., Southern Illinois University - Carbondale, *Systemic Jury Attrition: A Case Study of Cook County.*Jeffrey Zimmerman*, University of Wisconsin Whitewater, *The geography of radical politics in Milwaukee, WI.*Laura Meixell*, University of Pittsburgh, *Urban Scenic Vistas in Economic Development.*Yvette M Williams*, University of Maryland Baltimore County, *An interdisciplinary ethnography of vacant lot management for Southwest Baltimore City neighborhoods.*Tara Bengle*, University of North Carolina at Charlotte, *The Contribution of Community Gardens to Sustainable Neighborhoods.*Meredith A Duke*, Columbus State University, *Evolution of New Urbanism in the Panhandle of Florida: A Geographic Analysis of Seaside, Rosemary Beach, and Alys Beach.*Igor Vojnovic*, Michigan State University; Jieun Lee, Michigan State University; Zeenat Kotval, Michigan State University; Minting Ye, Michigan State University; Joe Messina, Michigan State University, *A Study of Urban Built Environments and the Social Dynamics of Accessibility, Travel, Physical Activity, and Obesity: A Detroit Regional Context.*Trey Schiefelbein*, Miami University; Daniel Hinman*, Miami University, *Move Along: Transportation and Gentrification in Cincinnati's Over-the-Rhine.*David J Melsness*, University of Wisconsin- Eau Claire, *Geographical Crime Displacement in Chicago's South Side.*Gerald E Buker*, Clark University, *An analysis of the September 7, 2010 Detroit fires.*Zeenat Kotval*, Michigan State University; I. Vojnovic, Michigan State University; A. Podagrosi, Michigan State University; P. Varnakovida; J. Lee, Michigan State University; J. Messina, Michigan State University; B. Pigozzi, Michigan State University; J. Darden, Michigan State University, *Exploring Urban Form, Travel Behavior, Physical Activity, Obesity: Assessin the Lansing, Michigan Context.*John Goudge*, Texas Christian University, *La Gran Plaza: The Development of an Ethnic Mall in Fort Worth, Texas.*Minting Ye*, Michigan State University; Igor Z Vojnovic, Michigan State University, *Exploring the Socio-economic Transformation of Hong Kong in the Context of Globalization: A Pre- and Post-Assessment of Hong Kong's Unification.*Thomas Nantais*, *Predictors of Homeownership in the Detroit Metropolitan Region.*Laura Simmons*, University of North Carolina at Charlotte, *Mapping Race and Poverty in Charlotte-Mecklenburg Schools.*Jacob E Murawski*, Central Michigan University, *Foreclosure Analysis of Rustbelt Metropolitan Areas.*Julia Catherine Garner, undergraduate student*, University of North Carolina at Chapel Hill, *Let's Go Pens?: Urban Development and the Contested Future of Civic Arena (Pittsburgh, PA).*Regan Doyle*, University of North Alabama; Francis Koti, University of North Alabama, *Assessing the Potential for a Planned Unit Development (PUD) in the City of Florence, AL Using GIS.*Caroline Pavlowsky*, *Temperature trends and utility use in Springfield, Missouri: a climate change assessment tool?.*Trevor Yarbrough*, TCU, *Montgomery Plaza as an example of Urban Gentrification, Fort Worth, Texas.*James E. Wells, M.A.*, Kansas State University, *Thirty Years of Landscape Change in the American West: A Rephotography of U.S. Highway 89.*Cary Lincoln*, Oklahoma State University, *Defining Gateway Communities: Nags Head's relationship with the Cape Hatteras National Seashore.*Mary D Raycraft, M.S.*, Univ. Cincinnati, *Sustainable Urban Gardening: Findlay Market, Cincinnati, Ohio.*Lucius Hallett, IV*, Western Michigan University; Dave McDermott, Haskell Indian Nations University, *Quantifying the Extent and Cost of Food Deserts in Lawrence, Kansas, USA.*Amory Hillengas, B.S.*, Syracuse University, *Accessibility in the Syracuse Food Desert.*Sunita George*, Western Illinois University; Raymond Greene, Western Illinois University; Alex Flores, Western Illinois University, *Mapping Food Deserts in Montgomery, Alabama.*Keith Bremer*, Texas State University - San Marcos, *Demographic Characteristics and Sustainability Preferences of New Urbanist Neighborhood Residents.***3224. Deforestation in the Amazon: Recent trends, methods, and research**

Room: 301 - Washington State Convention Center, Level 3

(Interactive Short Paper Session)

ORGANIZER(S): Jill Caviglia-Harris, Salisbury University; Erin Sills, NC State University

CHAIR(S): Katrina Mullane

Introducer: Andrew Bell

10:05 Michael Toomey*, University of California, Santa Barbara; Dar Roberts, PhD, University of California,

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- Santa Barbara, *Long term monitoring of post-disturbance land cover in Rondonia, Brazil.*
- 10:10** Pedro Pires de Matos, Ph. D.*, NC State University; Erin O. Sills, Ph. D., NC State University; Jill L. Caviglia-Harris, Ph. D., Salisbury University, *Geography in Welfare: An Analysis of the Impacts of Location, Access and Land Use on Rural Households in the Brazilian Amazon.*
- 10:15** Jill Caviglia-Harris*, Salisbury University; Erin Sills, North Carolina State University, *Methodologies for Collecting and Analyzing Land Use and Land Cover Change using Combined Survey and GIS Data.*
- 10:20** Erin Sills*, NC State University; Jill Caviglia-Harris, Salisbury University, *Maintaining Forests on Farms: Policy Levers for Influencing Land Management in the Brazilian Amazon.*
- Introducer: David Lopez-Carr
- 10:30** J. Christopher Brown*, University of Kansas, *Satellite remote sensing of agriculture in Brazil: technological and institutional dynamics.*
- 10:35** Peter Richards*, Michigan State University, *Fuel to the Fire: On how currency fluctuations generated the South American soy boom.*
- 10:40** Charles W MacIntyre*, North Carolina State University, *Sustainability in Amazonian Development: Human Welfare in Colonization Settlements in Rondônia, Brazil.*
- Introducer: Marcellus Caldas
- 10:50** Cynthia Simmons*, Michigan State University; Robert Walker, Michigan State University; Stephen Perz, University of Florida, *Direct Action Land Reform in the Brazilian Amazon: Exploring the implications for deforestation..*
- 3225. Spatial Analysis of Cancer Incidence and Risk Factors (Sponsored by Health and Medical Geography Specialty Group)**
- Room: 302 - Washington State Convention Center, Level 3 (Paper Session)
ORGANIZER(S): Program Committee
CHAIR(S): Lawrence McGlenn, SUNY - New Paltz
- 10:00** Tonny Oyana*, Southern Illinois University, *Spatial analysis of environmental risk factors associated with breast cancer incidence in Illinois, U.S.A..*
- 10:20** Norman Oliver, MD, MA*, University of Virginia Health System; Sean F Altekruze, DVM, MPH, PhD, National Cancer Institute; Lan Huang, PhD, Food and Drug Administration; James Cucinelli, Information Management Services; Timothy S McNeel, Information Management Services; Kristen M Wells, MPH, PhD, University of Virginia Health System, *Spatial Patterns of Localized-Stage Prostate Cancer Incidence Among White and Black Men in the Southeastern United States.*
- 10:40** Ann Carroll Klassen*, John Hopkins University School of Public Health, *"Consuming Smoke": What is captured by area-level tobacco spending data?.*
- 11:00** Kristen M. Wells, MPH, PhD*, University of Virginia Health System; M. Norman Oliver, MD, MA, University of Virginia Health System; George Stukenborg, PhD, University of Virginia Health System, *Residential Segregation and Disparities in Prostate Cancer Incidence and Treatment Decisions.*
- 11:20** Lawrence McGlenn*, SUNY - New Paltz, *Cancer and the Environment: A Review of Recent Work.*
- 3226. BSG Master's/Undergraduate Student Paper Competition II (Sponsored by Biogeography Specialty Group)**
- Room: 303 - Washington State Convention Center, Level 3 (Paper Session)
ORGANIZER(S): Gabrielle L. Katz
CHAIR(S): Gabrielle L. Katz
- 10:00** Christopher Alan Walter, MS Candidate*, The University of Montana; Anna E. Klene, PhD, The University of Montana Department of Geography; Zachary A. Holden, PhD, U.S. Forest Service Northern Region; John A. Young, MS, U.S. Geological Survey Leetown Science Center, *Spatial Transferability of Rare Plant Species Distribution Models within the Nez Perce National Forest.*
- 10:20** Jade Dean*, *Follow the leader - A study on the advancement of native shrubs into non-native grasslands in La Jolla Valley, California.*
- 10:40** Eric P Creeden*, University of Idaho; Jeffrey A Hicke, PhD, University of Idaho, *Regional analysis of climate and weather conditions related to outbreaks of mountain pine beetle (Dendroctonus ponderosae Hopkins) in lodgepole pine (Pinus contorta) forests of the western USA.*
- 11:00** John Davis*, University of Colorado at Colorado Springs, *Resplendent Quetzal nesting site availability on a private preserve in the Sierra de las Minas, Guatemala.*
- 3227. Si se puede! Recruiting and Retaining Hispanic/Latino Students in Geography at Hispanic Serving Institutions (Sponsored by Association of American Geographers, AAG Aligned Project)**
- Room: 304 - Washington State Convention Center, Level 3 (Panel Session)
ORGANIZER(S): Ines M. Miyares, Hunter College; Alex Ramirez, Hispanic Association of Colleges and Universities
CHAIR(S): Ines M. Miyares, Hunter College
Panelists: Ines M. Miyares, Hunter College; Alex Ramirez, Hispanic Association of Colleges and Universities; Angel David Cruz Baez, University of Puerto Rico; Ivan J. Ramirez, Michigan State University; Juliana Maantay, Lehman College/CUNY
- 3228. Immigrants, Diaspora, and Transnationalism (ii) (Sponsored by Population Specialty Group, Ethnic Geography Specialty Group)**
- Room: 305 - Washington State Convention Center, Level 3 (Paper Session)
ORGANIZER(S): Sanjeev Kumar, University of Georgia
CHAIR(S): Wei Li, Arizona State University
- 10:00** Elizabeth Chacko*, The George Washington University, *Translocality in Washington, D.C. and Addis Ababa: Spaces and linkages of the Ethiopian diaspora in two capital cities.*
- 10:20** Thomas Ptak*, University of Oregon, *Migration, Cultural Reproduction, Identity and Place in Portland and New York City. A Central Asian diaspora in North America.*
- 10:40** Sanjeev Kumar*, University of Georgia, *Sangh Parivar and the Bhutanese Refugees: Constructing a Hindu Diaspora in the US..*
- 11:00** David R. Crawford*, University of North Carolina at Chapel Hill, *The "Transnational Project" and its Implications in Bangladesh.*
- Discussant(s): Emily Skop, The University Of Colorado At Colorado Springs

THURSDAY, APRIL 14 • 10:00 AM - 11:40 AM • 3200**3229. Hydroclimatology II (Sponsored by Climate Specialty Group, Cryosphere Specialty Group)**

Room: 306 - Washington State Convention Center, Level 3
(Paper Session)

ORGANIZER(S): Laiyin Zhu, Department of Geography, Texas A&M University; Steven Quiring, Texas A&M University

CHAIR(S): Christopher Labosier, Texas A&M University

10:00 Daniel J Leathers, Ph.D.*, University Of Delaware; Gina Henderson, Ph.D., Rutgers University; David Robinson, Ph.D., Rutgers University, *Variability in the Annual Cycle of Northern Hemisphere Snow Cover Extent*.

10:20 Daria Kluver*, University of Delaware, *Seasonal Snowfall prediction using Multiple Discriminant Analysis*.

10:40 Heike Hartmann*, Slippery Rock University, *Medium-term Forecast of Great Lake-Effect Snowfall*.

11:00 Laiyin Zhu*, Department of Geography, Texas A&M University, *Climate Change and Tropical Cyclone precipitation of Texas in 1950-2010*.

11:20 Steven Quiring*, Texas A&M University; Tina Dippe, Leibniz-Institute for Marine Sciences, IFM-GEOMAR, Kiel, Germany; Roshi Nateghi, Department of Geography and Environmental Engineering, Johns Hopkins University, Baltimore, MD; Seth D. Guikema, Department of Geography and Environmental Engineering, Johns Hopkins University, Baltimore, MD, *Modeling Variations in Atlantic Tropical Cyclone Activity*.

3230. Teaching Tree Rings: Ideas for K-12 Outreach and Undergraduate Education (Sponsored by Paleoenvironmental Change Specialty Group, Geography Education Specialty Group, Biogeography Specialty Group)

Room: 307 - Washington State Convention Center, Level 3
(Panel Session)

ORGANIZER(S): Henri D. Grissino-Mayer, University of Tennessee; Sally P. Horn, University Of Tennessee

CHAIR(S): Henri D. Grissino-Mayer, University of Tennessee

Panelists: Stockton Maxwell, West Virginia University; Darrin Rubino, Hanover College; Charles W. Lafon, Texas A & M University; Alice Schoen, The University of Tennessee; Grant Harley, University of Tennessee; James H. Speer, Indiana State University

3231. Online visualization for geospatial sciences (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group, Spatial Analysis and Modeling Specialty Group)

Room: 308 - Washington State Convention Center, Level 3
(Paper Session)

ORGANIZER(S): Jing Li

CHAIR(S): Jing Li

10:00 Bruce A. Ralston*, University of Tennessee; Michael Meyers, University of Tennessee, *Developing Rich Internet Data Portals for State Data Centers*.

10:20 Tuna KALAYCI*, Department of Anthropology, University of Arkansas, *CORONA Archaeological Atlas of the Middle East: An Early Bronze Age Case Study from the Atlas*.

10:40 Zhaoya Gong*, University of North Carolina at Charlotte; Jean-Claude Thill, University of North Carolina at Charlotte, *On-line Interactive Visualization of Reconstructed Cognized Spaces: The Case of U.S. Migration*.

11:00 Yanqing Xu*; Fahui Wang, *Travel time estimation by Google Maps API*.

3233. Hurricanes II: Tropical Cyclones and Climate Change (Sponsored by Climate Specialty Group, Hazards Specialty Group)

Room: 310 - Washington State Convention Center, Level 3
(Paper Session)

ORGANIZER(S): Kam-Biu Liu, Louisiana State University; Harry Williams, University of North Texas

CHAIR(S): Harry Williams, University of North Texas

10:00 Peter Hunt Yaukey, Ph.D.*, University of New Orleans, *Wind Speed Changes of North Atlantic Tropical Cyclones Approaching Landfall*.

10:20 James Elsner*, Department of Geography, *On the Increasing Intensity of the Strongest Atlantic Hurricanes*.

10:40 Namyoun Kang*, James B Elsner, Florida State University, *Intensity efficiency in tropical cyclones*.

11:00 Jinwoong Yoo*, Louisiana State University; Robert V Rohli, Louisiana State University, *Multi-scale Geophysical Dynamics that Generated Tropical Storm Arlene (2005) in the Atlantic Ocean*.

11:20 Michael Grossman*, Department of Geography SIU Edwardsville; Masumi Zaiki, Faculty of Economics Seikei University, Japan, *Typhoon tracks around Japan from 1951 to 2008*.

3234. Urban Foods 2: Regional Food Systems (Sponsored by Geographic Information Science and Systems Specialty Group, Rural Geography Specialty Group, Urban Geography Specialty Group)

Room: 3A - Washington State Convention Center, Level 3
(Paper Session)

ORGANIZER(S): Allison Brown; Adam Diamond, USDA

CHAIR(S): Adam Diamond, USDA

10:00 Christopher D. Merrett, Ph.D.*, Western Illinois University, *The Community Economic Development Implications of Community Supported Agriculture..*

10:20 Kathryn Lenzer*, University of New Mexico, *Characterizing the "local" food environment in Albuquerque, NM: A dual perspective of consumer and retailer*.

10:40 Kendra Klein*, University of California, Berkeley, *Stuck in the Middle: The role of supply chain middlemen in health care institution procurement of sustainable foods*.

11:00 Emily Simms*, Western Michigan University, *Local Food: Perceptions and Realities in Southwest Michigan*.

Discussant(s): Allison Brown

3235. Taking Stock of Space and Social Movements: What Have We Learned and Who are We Speaking to? (Sponsored by Political Geography Specialty Group, Socialist and Critical Geography Specialty Group)

Room: 3B - Washington State Convention Center, Level 3
(Panel Session)

ORGANIZER(S): Byron A. Miller, University of Calgary; Walter J. Nicholls, Sociology, University of Amsterdam

CHAIR(S): Byron A. Miller, University of Calgary

Panelists: Wendy Wolford, University Of North Carolina at Chapel Hill; Deborah G. Martin, Clark University; Mark H. Purcell, University of Washington; Helga Leitner, University of Minnesota - Minneapolis; Jan Willem Duyvendak, University of Amsterdam

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- 3236. Conversations in the conflict zone II: legalities/legitimations**
Room: 201 - Washington State Convention Center, Level 2
(Paper Session)
ORGANIZER(S): Sara Koopman, University of British Columbia; Joanne P. Sharp, University of Glasgow
CHAIR(S): Derek Gregory, University of British Columbia
10:00 Joseph H. Bryan*, University of Colorado, Boulder, *The Banality of Empire: Private Military Companies and the Geopolitics of Military Neoliberalism.*
10:20 Michael D Smith*, University of British Columbia, *Martial Law.*
10:40 Wesley Llewellyn Attewell*, The University of British Columbia, *A Perfect Storm: Afghanistan, Governance, and the Opium Economy.*
11:00 K. Neil Jenkins, PhD*, Newcastle University; Rachel Woodward, PhD, Newcastle University, *Explaining Afghanistan: British military memoirs and the emergent narratives of conflict.*
11:20 Matthew F Rech, PhD Student*, Newcastle University, *'All the weaponry of war, all the fun of the fair': militarisation and the airshow spectacular.*
- 3237. Indigenous Peoples, Property and Geography II (Sponsored by Cultural and Political Ecology Specialty Group, Historical Geography Specialty Group, Indigenous Peoples Specialty Group)**
Room: 202 - Washington State Convention Center, Level 2
(Paper Session)
ORGANIZER(S): Jessica Place, Simon Fraser University; Brian Egan, Carleton University
CHAIR(S): Catherine L. Nolin, Univ Of Northern British Columbia
10:00 Jessica Place*, Simon Fraser University, *Canada's Matrimonial Real Property on Reserve 'Gap' and the Role of Property in Relations between Indigenous Peoples and the State.*
10:20 Brian Egan, PhD*, University of Victoria, *Re-Placing Indigenous Peoples and Properties: Contemporary Treaty Making and Land Reform on Indian Reserves in Canada.*
10:40 Robert B. Morales, J.D. Chief Negotiator*, Hul'qumi'num Treaty Group, *Indigenous Peoples Land Rights: Long History of Connection and Recent History of Dispossession.*
11:00 Patricia Burke Wood*, York University; David A. Rossiter, Western Washington University, *Unstable Properties: British Columbia, Aboriginal Title and the "New Relationship".*
11:20 Ben Bradshaw*, University of Guelph; Kelsey Peterson, University of Guelph, *The nature, logic, and Aboriginal title implications of mining firms' recognition of Aboriginal property in Canada.*
- 3238. Geographers and/in Development (Sponsored by Development Geographies Specialty Group)**
Room: 203 - Washington State Convention Center, Level 2
(Paper Session)
ORGANIZER(S): Edward R Carr, University of South Carolina; David Simon, Royal Holloway, University Of London
CHAIR(S): David Simon, Royal Holloway, University Of London
Discussant(s): Kathleen O'Reilly, Texas A&M University
Panelists: Edward R Carr, University of South Carolina; Ian Yeboah, Miami University; James D Sidaway, University of Amsterdam
- 3239. Learning as a geographical process (Sponsored by Cultural Geography Specialty Group, Economic Geography Specialty Group)**
Room: 204 - Washington State Convention Center, Level 2
(Paper Session)
ORGANIZER(S): Dragos Simandan, Brock University
CHAIR(S): Dragos Simandan, Brock University
Panelists: Anne Godlewska; Richard Le Heron, University of Auckland; Heidi J. Nast, DePaul University; Nadine Schuurman, Simon Fraser University; Dragos Simandan, Brock University; Richard A. Walker, University of California-Berkeley
- 3240. Understanding Variability in Social Ecological Systems (Sponsored by Cultural and Political Ecology Specialty Group, Human Dimensions of Global Change Specialty Group, Landscape Specialty Group)**
Room: 205 - Washington State Convention Center, Level 2
(Paper Session)
ORGANIZER(S): Jamie Shinn, Penn State University; Erica Smithwick
CHAIR(S): Jamie Shinn, Penn State University
10:00 Kelley A Crews*, University of Texas; Brian H King, Pennsylvania State University; Kenneth R Young, University of Texas, *Operationalizing Spatio-temporal Variabilities: SES Framework Deployment in the Okavango Delta, Botswana.*
10:20 Jamie Shinn, MA*, Penn State University; Brian King, PhD, Penn State University, *Fluid political ecologies: Theorizing access and livelihood systems within the Okavango Delta, Botswana.*
10:40 Heidi Hausermann, PhD*, Pennsylvania State University; Petra Tschakert, PhD, Pennsylvania State University; Jenna Christian, Pennsylvania State University; Edith Parker, PhD, University of Iowa, *Activity Spaces, Disturbance, and Disease Emergence in Ghana's Gold Mining Belt.*
11:00 Erica A.H. Smithwick, Ph.D.*, The Pennsylvania State University; Julianne Hagarty, The Pennsylvania State University; Ray Voegborlo, Ph.D., Kwame Nkrumah University of Science and Technology, Ghana; Kamini Singha, Ph.D., The Pennsylvania State University, *Quantifying environmental and landscape drivers of disease emergence: Buruli Ulcer in Ghana.*
Discussant(s): Kenneth R. Young, University of Texas at Austin
- 3241. Geographic Dimensions of Airline Network Development (Sponsored by Transportation Geography Specialty Group)**
Room: 206 - Washington State Convention Center, Level 2
(Paper Session)
ORGANIZER(S): John Bowen, Central Washington University
CHAIR(S): John Bowen, Central Washington University
Introducer: John Bowen
Discussant(s): Kevin O'Connor, Melbourne University; Andrew R Goetz, University Of Denver
Panelists: Richard Wynne, Boeing Commercial Airplanes

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- 3242. Making Space in Critical Geography for the Humanities (Sponsored by Socialist and Critical Geography Specialty Group, Cultural Geography Specialty Group, Geography of Religions and Belief Systems Specialty Group)**
Room: 211 - Washington State Convention Center, Level 2
(Paper Session)
ORGANIZER(S): Liana Vasseur, University of Kentucky; Garrett Graddy, University of Kentucky
CHAIR(S): Garrett Graddy, University of Kentucky
10:00 Jeff Birkenstein*, Saint Martin's University, *Beloved Signposts of History in Lexington, Kentucky.*
10:20 Hugh Deaner*, University of Kentucky, *Painting Town Branch: Full scale earth mapping in downtown Lexington, Kentucky.*
10:40 Donna Houston*, Macquarie University, *Earthly Performativity: Memory, Materiality and Method.*
11:00 Liana T. Vasseur*, University of Kentucky, *Poetics of the secret map.*
11:20 Garrett Graddy*, Carleton College, *Rhythm, memory, narrative: spatial epistemologies of seed-saving.*
- 3243. Affective Spaces II (Sponsored by Urban Geography Specialty Group, Cultural Geography Specialty Group, Sexuality and Space Specialty Group)**
Room: 212 - Washington State Convention Center, Level 2
(Paper Session)
ORGANIZER(S): Christine Hentschel, ICI Berlin
CHAIR(S): Christine Hentschel, ICI Berlin
Introducer: Christine Hentschel
10:05 Scott Sharpe, PhD*, University of New South Wales at the Australian Defence Force Academy; Maria H Hynes, PhD, The Australian National University, *Humorous Displacement: affective geographies of humor.*
10:25 Sarah Bennett*, University of Wisconsin, Madison, *Russia's Soviet Past and Present in Animated Cartoons: A Sensed Geography of Affect in Film Watching.*
10:45 Sabin Ninglekhu*, University of Toronto, *From non-Citizens to Good Citizens: Right to the City and the Politics of Emotion.*
11:05 Jason A Tatum*, The University of Wisconsin, *Affect and Event in Regional Conflict: Egypt and the 2008 / 2009 Gaza Conflict.*
Discussant(s): Christine Hentschel, ICI Berlin
- 3244. Gentrification II: Quantitative Approaches (Sponsored by Urban Geography Specialty Group)**
Room: 213 - Washington State Convention Center, Level 2
(Paper Session)
ORGANIZER(S): Julie Cidell, University of Illinois
CHAIR(S): Clint Petty, University of North Texas
10:00 Clint Petty*, University of North Texas, *Gentrification in Oklahoma City: Examining Urban Revitalization in Middle America.*
10:20 Revel Sims*, UCLA Department of Urban Planning, *The Spatial Relationship between Evictions and Gentrification in Los Angeles 1994-1999.*
10:40 Kenneth Steif, Doctoral Student*, University of Pennsylvania - Dept. of City & Regional Planning, *Neighborhood Change & the Supply Elasticity of Gentrifiable Housing in Philadelphia.*
11:00 Yongming Cai*, University of Cincinnati; Lin Liu, University of Cincinnati, *Exploring Urban Gentrification Dynamics in Cincinnati, OH: An Agent-based Modeling Approach.*
- 3245. Coastal Tourism II: Land Use & Recreation Planning (Sponsored by Recreation, Tourism, and Sport Specialty Group, Coastal and Marine Specialty Group)**
Room: 214 - Washington State Convention Center, Level 2
(Paper Session)
ORGANIZER(S): Klaus J. Meyer-Arendt, University of West Florida
CHAIR(S): Klaus J. Meyer-Arendt, University of West Florida
10:00 Diana Almeida*, Centre for Geographical Studies, Institute of Geography and Spatial Planning, *Tourism and urbanization: shifting uses in coastal areas of Lisbon and the Algarve.*
10:20 Julia Holzner, M.Sc., PhD student*, Department of Geography and Regional Science, University of Graz, *Lake region transformation through integrative "waterfront development".*
10:40 Dave Lemberg*, Western Michigan University, *The Lake Michigan Watertrail: Potential for a Tri-Modal Circle Route.*
11:00 Jinwon Kim*, Department of CARRS, Michigan State University; Byungyun Yang, CRSM, Department of Geography, University of Georgia; Marguerite Madden, CRSM, Department of Geography, University of Georgia, *Geospatial Analysis of Barrier Island Beach Accessibility and Availability to Tourists.*
- 3247. Coastal & Marine and Animal Geography Illustrated Paper Session (Sponsored by Coastal and Marine Specialty Group, Animal Geography Specialty Group)**
Room: 2B - Washington State Convention Center, Level 2
(Illustrated Paper Session)
ORGANIZER(S): Jennifer L. Rahn, Samford University; Suzi Wiseman, Texas State University - San Marcos
CHAIR(S): Jennifer L. Rahn, Samford University
10:00 Casey O'laughlin*, Saint Mary's University; Danika van Proosdij, PhD, Saint Mary's University, *Spring-Neap Variations in Intertidal Hydrodynamics and Sedimentation in the Bay of Fundy.*
10:05 Jacqueline Rebecca Gerson, Colgate University student, class of 2011*, Colgate University; April Baptiste, Colgate University Assistant Professor, Colgate University, *Preliminary results of concerns, perceptions and adaptation of fishermen to climate change in Trinidad and Tobago.*
10:10 Patrick Barrineau*, University of South Carolina, *Protecting Our Coast.*
10:15 Michael Fedak*, Saint Mary's University; Danika van Proosdij, Dept. of Geography, Saint Mary's University; Tim Webster, PhD, Applied Geomatics Research Group, Center of Geographical Sciences, *Spatial and Temporal Analysis of Storm Surge Flooding of Dykelands.*
10:20 Chuan Qin*, Michigan State University; Jiaguo Qi, Michigan State University; Jennifer Olson, Michigan State University, *Assessing Vegetation Phenological Changes in Tarangire Ecosystem using Remote Sensing.*
10:25 Bradley C. Rundquist*, University of North Dakota; Peter A. Metzger, University of North Dakota, *Object-Based Land Cover Mapping of Eastern North Dakota Breeding Bird Survey Routes.*
10:30 Sarah M Trimble*, US Geological Survey, *A solution for flood mapping in the Caribbean using PALSAR RADAR data in GIS.*
10:35 Geoffrey Fouad*, San Diego State University; Terrie Lee, United States Geological Survey, *Using Monthly Average Potentiometric Surfaces and Light Detection and Ranging (LiDAR) Data to Investigate Surface and Groundwater Relations in West-central Florida.*

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- 10:40** Clayton Hunter*, Boston University, *Market and non-market benefits of urban and semi-urban beekeeping: A case study of beekeepers in eastern Massachusetts.*
- 10:45** Dyuti Sengupta, PhD Candidate*, The University of California at Berkeley; Shermin de Silva, PhD, *Landcover change and analysis for the past three decades in Uda Walawe National Park.*
- 10:50** Jennifer L. Rahn, Ph.D.*, Samford University, *Beach and Coral Reef Interactions: Using Low Cost Survey Equipment to Map and Monitor Coastal Subaerial and Nearshore Environments for Responses to Sea Level Rise and Tropical Storms.*
- 3248. Psychoanalytic Geographies II: Positions**
Room: Cirrus Ballroom - Sheraton Hotel, Pike Tower, Thirty Fifth Floor (Paper Session)
 ORGANIZER(S): Paul T. Kingsbury, Simon Fraser University; Steve Pile, The Open University
 CHAIR(S): Steve Pile, The Open University
10:00 Steve Pile*, The Open University, *Freud and the Spaces of the Unconscious.*
10:20 Jesse Proudfoot*, Simon Fraser University, *Analytic Supervision as a Psychoanalytic Research Model.*
10:40 Karen Rodriguez, PhD*, Council on International Education Exchange, *The Sensing City: Sensory Texts and Subjectivity Processes in a Small Mexican City.*
11:00 Hilda Fernandez*, Lacan Salon, *Facebook: From Narcissism to Politics..*
11:20 Nazanin Naraghi*, Simon Fraser University; Paul T. Kingsbury*, Simon Fraser University, *Char Shanbe Suri and the chimeras of culture.*
- 3250. Cluster-based Regional Economic Development: Critical Reflections (Sponsored by Regional Development and Planning Specialty Group)**
Room: Boren - Sheraton Hotel, Union Tower, Fourth Floor (Panel Session)
 ORGANIZER(S): Rajiv Thakur, University of South Alabama; Chandana Mitra, University of Georgia
 CHAIR(S): Susan M. Walcott, University of North Carolina-Greensboro
 Introducer: Susan M. Walcott
 Discussant(s): Roger C.K. Chan, The University Of Hong Kong
 Panelists: Neil Reid, University of Toledo; Rajiv Thakur, University of South Alabama; Michael Carroll, Bowling Green State University
- 3251. 2011 Student Honors Paper Competition II (Sponsored by Remote Sensing Specialty Group)**
Room: Columbia - Sheraton Hotel, Union Tower, Fourth Floor (Paper Session)
 ORGANIZER(S): Sharmistha Swain
 CHAIR(S): Sharmistha Swain
10:00 Benjamin Heumann*, University of North Carolina, *A Comparison of Spectral and Spatial Techniques to Map Mangrove Forest Canopy Structure.*
10:20 Yao Zhou*, Clark university, *Global increases in NDVI in hyper-arid areas and it's relation to water vapor and aerosols.*
10:40 Nicholas Cuba*, Clark University; John Rogan, PhD, Clark University, *Modeling Spatio-Temporal Variation in Deciduousness in the Southern Yucatan Peninsula Using MODIS Vegetation Indices, 2000-2010.*
11:00 Travis Yeik*, University of Lincoln-Nebraska, *Implications of Varying Remote Sensing Image Parameters for Building Extraction.*
- 3252. Indigenous Peoples of North America and Environmental Policy**
Room: Jefferson - Sheraton Hotel, Union Tower, Fourth Floor (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): James Webster, Umatilla Tribes
10:00 Karena Shaw*, University of Victoria, *Troubling Intersections: How can transnational climate governance support regional conservation initiatives?.*
10:20 Margaret Knox*, University of Wisconsin Oshkosh, *Ute, Paiute, and Shoshone perspectives on the 'Old Ones,' the tribal people who inhabited Range Creek Ranch, Utah, approximately 650 years ago..*
10:40 Mark Palmer*, University of Missouri-Columbia, *Reflections in the Water: Kiowa Stories, Geographies, and New Traditions in the Ever-Changing World.*
11:00 Jon Shellenberger, M.S.*., Yakama Nation Wildlife Program, *Bringing Back the Waptu: Yakama Nation Riparian Restoration.*
11:20 James G. Webster*, Umatilla Tribes, *The Umatilla River Vision and a Fish Habitat Restoration Application.*
- 3254. Case Studies of Land Use Challenges**
Room: Pike - Sheraton Hotel, Union Tower, Fourth Floor (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Sean J Pries, University of Nevada, Reno
10:00 Oludamilola David Eyelade, B.Sc Geography*, Nigerian Air Force Research and Development Centre, NAF Base Kaduna, *Land use in the Orogun River Catchment Ibadan Nigeria.*
10:20 Azmi Baharom*, Student; mazdi marzuki, universiti pendidikan sultan idris, *Landscape changes in Hulu Selangor Malaysia.*
10:40 Yichun Xie*, Eastern Michigan University, *Coupled human and natural factors affecting grassland degradation - A case study in Xilin River Basin, Inner Mongolia.*
11:00 Richard O Sleezer, Ph.D.*., Emporia State University; Michael D. Newton, Emporia State University; Kary Reznicek, Emporia State University; Megan M. Flory, Emporia State University; Logan J. Sleezer, Olpe High School, *Our Great Plains Earth-Moving Society: Assessing the Impacts of Extensive Farm Pond and Terrace Construction in the Upper Neosho River Basin in Central Kansas..*
11:20 Sean J Pries*, University of Nevada, Reno, *Just Like It Was Ours: The Expropriating of Public Land by Private Landowners along the North Fork of the American River, California.*
- 3256. Beyond the Classroom: Enriching the Undergraduate Experience through Fieldwork, Internships, Research, and Service-Learning**
Room: Seneca - Sheraton Hotel, Union Tower, Fourth Floor (Interactive Short Paper Session)
 ORGANIZER(S): JoAnn Vender, Pennsylvania State Univ; Jennifer Spinelli, Penn State University
 CHAIR(S): JoAnn Vender, Pennsylvania State Univ
10:00 JoAnn C. Vender*, Pennsylvania State University, *Undergraduate Enrichment Experiences: Setting the Context.*
10:05 Melissa Arielle Harkavy*, Penn State, *The Role of Interdisciplinary Research in Undergraduate Education.*
10:10 Timothy Yuskavage*, Penn State Geography, *Undergraduate Research in Geospatial Intelligence.*
10:15 Joseph Bowser*, *Gap Dynamics and Tree Replacement in Old Growth White Oak Forests in Centre County, PA.*

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10:20 Brian M Hall*, The Pennsylvania State University, *Prairie Restoration Internship*.

10:25 Chelsea Gilliam, Undergraduate Student*, Penn State University; Eileen Fresta, Undergraduate Student, Penn State University; Myra Goldschmidt, Ph.D., Penn State University, *Helping Haiti: Hope Comes in Many Colors*.

10:30 Michael W Karalewich*, Pennsylvania State University; DeAngela Hayes, Semester At Sea Spring 2010; Helen Corbella, Semester At Sea Spring 2010; Juana Socorro, Semester At Sea Spring 2010; Imani Davis, Semester At Sea Spring 2010; Corey Teter, Semester At Sea Spring 2010; Jason Robinson, Semester At Sea Spring 2010, *Comparing Countries Caloric Sustainable Consumption*.

10:35 Jennifer Spinelli*, Penn State University, *Environmental Monitoring in Tanzania: An Undergraduate's Perspective*.

3258. The Mobility of Scientific Knowledge: Historical Case Studies, Methodologies, and Conceptual Developments (Sponsored by History of Geography Specialty Group)

Room: University - Sheraton Hotel, Union Tower, Fourth Floor (Paper Session)

ORGANIZER(S): Luise Fischer, University of Edinburgh, Institute of Geography; Jochen F. Mayer, Institute of Geography, University of Edinburgh

CHAIR(S): Jochen F. Mayer, Institute of Geography, University of Edinburgh

10:00 Pallavi V. Das*, Lakehead University, *Empire and Gardens: A Study of a Botanic Garden in Colonial India, 1847-1900*.

10:20 Heike Jons*, Loughborough University; Mike Heffernan, University of Nottingham, *Imperial and international dimensions of knowledge production in the University of Cambridge, 1885-1955*.

10:40 Jochen F. Mayer*, Institute of Geography, University of Edinburgh, *On the Geographies of Official Statistics: German (Un-)Employment Statistics and the Debate on its Abolishment 1955-1963*.

11:00 Luise Fischer*, University of Edinburgh, Institute of Geography, *Mapping the making of geographical knowledge in eighteenth-century Germany*.

11:20 Philippe Foret*, Stockholm University, *"Stranded in Central Asia. The Premature Discovery of Global Warming"*.

3259. Henri Lefebvre and urban research: state, everyday life, opposition

Room: Virginia - Sheraton Hotel, Union Tower, Fourth Floor (Paper Session)

ORGANIZER(S): Stefan Kipfer, York University; Kanishka Goonewardena

CHAIR(S): Kanishka Goonewardena

10:00 Thorben Wieditz*, York University, *Transcending the Regulation Approach? The role of the sensuous human body, everyday life and space..*

10:15 Stefan Kipfer*, York University; Kanishka Goonewardena, Professor, University of Toronto, *Colonial or urban counter-revolution? Urban strategies and resistance in the Paris region*.

10:30 Teresa Abbruzzese*, York University, *The Festivity of Southern Italy: The Funfair as a Critical Space for Rupturing Everyday Life*.

10:45 Parastou Saberi*, York University, *Un-Settling "Tolerance" in "Multicultural" Toronto: Neo-Colonial Geographies and the Politics of Public Space*.

Discussant(s): Vinay K. Gidwani, University of Minnesota

3261. Cartography Specialty Group: 2011 Honors Student Paper Competition (Sponsored by Cartography Specialty Group)

Room: Ballard - Sheraton Hotel, Pike Tower, Third Floor (Paper Session)

ORGANIZER(S): Kirk Goldsberry, Michigan State University

CHAIR(S): Kirk Goldsberry, Michigan State University

10:00 Jennifer M. Smith*, San Diego State University, *Effective Color Schemes for 3D Animations of Urban Landscapes with a Spatial and Temporal Dimension*.

10:20 Joshua Stevens*, Michigan State University; Kirk Goldsberry, Michigan State University, *Alternate Network Segmentation Schemes for the Design of Mobile Traffic Maps*.

10:40 Jay Louis Fowler, Grad Student*, University of South Carolina, *Communicating Uncertainty Cartographically*.

11:00 Kristie Socia*, Michigan State University; Kirk Goldsberry, Ph.D., Michigan State University, *An Empirical Investigation of Computational In-equivalence in Wildfire Visualization: Measuring User Performance with Small-multiples and Animation*.

Discussant(s): Kirk Goldsberry, Michigan State University

3265. Career Development II: How to find an academic job? (Sponsored by China Specialty Group)

Room: Greenwood - Sheraton Hotel, Union Tower, Third Floor (Panel Session)

ORGANIZER(S): Qihao Weng, Indiana State University

CHAIR(S): Qihao Weng, Indiana State University

Panelists: Piper Gaubatz, University Of Massachusetts; Honglin Xiao, Elon University; Haifeng Qian, Cleveland State University; Bingqing Liang, Mansfield University of Pennsylvania; Hua Liu, Old Dominion University

3266. Critical geographies of post-communist cities 2: Legacies and current trajectories (Sponsored by Russian, Central Eurasian, and East European Specialty Group)

Room: Issaquah A - Sheraton Hotel, Union Tower, Third Floor (Paper Session)

ORGANIZER(S): Jessica K. Graybill, Colgate University; Michael Gentile, Umeå University

CHAIR(S): Michael Gentile, Umeå University

10:00 Yuri Medvedkov*, Ohio State University, *Urban clustering and depopulation in Russia*.

10:20 Leon I. Yacher*, Southern Connecticut State University, *Capital Cities of Central Asia: Changes and Transformations*.

10:40 Igor V. Pilipenko*, Lomonosov Moscow State University, *The manufacturing sector development across Russian regions: rapid deindustrialization or necessary transformation?*

11:00 Diana Ter-Ghazaryan*, Florida International University, *Spaces of Diaspora Investment in the Landscape of Yerevan, Armenia*.

11:20 Michael Gentile*, Umeå University, *Epoch-making players and divergent urbanisms in the post-socialist South: the case of Tbilisi*.

3267. Land Use Change in Latin America

Room: Issaquah B - Sheraton Hotel, Union Tower, Third Floor (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Daniel Redo, Texas A&M University

10:00 Andres Guhl*, Universidad De Los Andes, *Understanding landscape change in the Colombian Andes: Insights from environmental history and remote sensing..*

10:20 Juan Miguel Kanai*, University of Miami, *Emerging (im)mobilities in a dendritically-organized corridor through the Amazonian forest*.

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- 10:40** Michael Mann*, Boston University, *Ecosystem Service Value and Agricultural Conversion in the Amazon: Implications for Policy Intervention.*
- 11:00** Laurel Suter*, University of California, Santa Barbara, *Land use change in the agricultural frontier: Sierra del Lacandón National Park, Guatemala.*
- 11:20** Daniel Redo*, University of Puerto Rico; Mitchell Aide, University of Puerto Rico; Matthew Clark, Sonoma State University, *The Relative Importance of Socio-Economic and Environmental Variables in Explaining Land Change in Bolivia, 2001-2009.*
- 3268. 'New' gendered and sexual politics for 'new' equalities landscapes? Session 2 (Sponsored by Sexuality and Space Specialty Group)**
Room: Kirkland - Sheraton Hotel, Union Tower, Third Floor (Paper Session)
 ORGANIZER(S): Catherine Jean Nash; Kath Browne, University of Brighton
 CHAIR(S): Catherine Jean Nash
- 10:00** Diane Richardson, Professor*, Newcastle University, UK; Surya Monro, Dr., University of Huddersfield, UK, *Public Duty and Private Prejudice.*
- 10:20** Lynda Johnston*, university of waikato, *The Politics of Emotions in Queer Activist Spaces.*
- 10:40** Eleanor Wilkinson*, University of Leeds, *Seducing the State? Intimate Citizenship Beyond Sex.*
- 11:00** Rachael Sullivan*, University of British Columbia, *Remaking the University Campus: Queer Politics of 'Safe' and 'Positive' Spaces.*
- 11:20** Marianne Blidon*, Paris 1 University, *Empowerment and Production of gay subjects in the postcolonial French context.*
- 3270. Understanding Spatiality**
Room: Medina - Sheraton Hotel, Union Tower, Third Floor (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Joseph Hannah, University of Washington
- 10:00** Werner Schade*, Padagogische Hochschule, *Gender and Spatial Abilities: Women Navigates Best in the Supermarket..*
- 10:20** Crista M. Livecchi*, Pennsylvania State University, *Everyday mapping of everyday stories: Capturing spatial narratives using Google Maps.*
- 10:40** Joanna Reid*, University College of the North, *Sam Waller's Miscellany: Science and Education in Northern Manitoba, 1900 - 1978.*
- 11:00** Kathy Harris*, Stanford University - Spatial History Lab, *Visual Evidence: Using Geovisualization to Reveal Patterns and Anomalies in Historic Datasets.*
- 11:20** Joe Hannah*, University of Washington, *Critical Family Histories: The Disruptive Power of Rediscovered Narratives.*
- 3271. Migrant Civil Society and the Struggle over Migrant Integration (Sponsored by Urban Geography Specialty Group, Ethics, Justice, and Human Rights Specialty Group, Ethnic Geography Specialty Group)**
Room: Metropolitan Ballroom A - Sheraton Hotel, Third Floor (Paper Session)
 ORGANIZER(S): Nina Martin, University of North Carolina at Chapel Hill
 CHAIR(S): Nina Martin, University of North Carolina at Chapel Hill
- 10:00** Robert Yarbrough*, Georgia Southern University, *Localizing Immigration Enforcement: Effects of 287 (G) Agreements in Atlanta, GA.*
- 10:20** Joe Rasmussen*, Macalester College, *Geographies of Citizenship Formation in Immigrant Organizing in Austin, TX.*
- 10:40** Laura Y. Liu*, The New School, *Immigrant Workers' Centers in the Sweatshop City.*
- 11:00** Nina Martin*, University of North Carolina at Chapel Hill, *The Contradictory Space of the Migrant Nonprofit Organization: Negotiating Conflicting Social, Political, and Economic Values.*
 Discussant(s): Daniel Trudeau, Macalester College
- 3272. New-generation Migrants and the Family in China (Sponsored by China Specialty Group, Asian Geography Specialty Group, Population Specialty Group)**
Room: Metropolitan Ballroom B - Sheraton Hotel, Third Floor (Paper Session)
 ORGANIZER(S): Cindy Fan, UCLA
 CHAIR(S): Lan-Hung Nora Chiang, National Taiwan University
- 10:00** Zhongdong (john) Ma*, Hong Kong University of Science and Technology, *The Impact of Labor Migration on Family Changes since the mid-1980s.*
- 10:20** Cindy Fan*, UCLA, *The Split Household and Generations of Migrants in China.*
- 10:40** Yu Zhu*, Fujian Normal University; Liyue Lin, Fujian Normal University; Jiexia Dong, Fujian Normal University, *Continuity and change in the transition from the first to the second generation of migrants in China: Insights from a survey in Fujian.*
 Discussant(s): William Lavelly, University of Washington
- 3273. Geography of Wine: Old World/New World Wine Regions (Sponsored by Geography of Wine Specialty Group)**
Room: Queen Anne - Sheraton Hotel, Union Tower, Third Floor (Paper Session)
 ORGANIZER(S): Gregory V. Jones, Southern Oregon University
 CHAIR(S): Gregory V. Jones, Southern Oregon University
- 10:00** Gregory V. Jones*, Southern Oregon University, *Reconstructing 18th Century Spring Temperatures in Hungary from Artwork of Grapevine Shoots.*
- 10:20** Gareth E. John*, St. Cloud State University, *"Where the Grapes Can Suffer": The Prospects and Politics of Cold-Hardy Viticulture in the North Star State.*
- 10:40** Scott F. Burns*, Portland State University, *Terroir of New Zealand Wines.*
- 11:00** Jon David Anderson*, Southern Oregon University, *Spatial Analysis of Climate-Viticulture Structure and Suitability in New Zealand.*
- 3274. Diverse Economies of Dwelling II (Sponsored by Geographic Perspectives on Women Specialty Group, Economic Geography Specialty Group)**
Room: Ravenna - Sheraton Hotel, Union Tower, Third Floor (Paper Session)
 ORGANIZER(S): Oona Morrow, Clark University
 CHAIR(S): Oona Morrow, Clark University
- 10:00** Jeff Rose*, University of Utah, *Neoliberalism, Environmentalism, and Public Space.*
- 10:20** Jacquelyn R. Chase*, CSU, Chico; Rebekah Funes, CSU, Chico, *Hidden Homesteads: Absentee Ownership and Land Use in Rural Northern California.*
- 10:40** Sean Tanner*, Rutgers University, *Beyond Development Subjects: Dwelling and asset-based approaches in Guatemala.*
- 11:00** Lisa Kim Davis*, UCLA, *Economic Difference, Housing, and the Insurgencies of Staying Put.*
- 11:20** Crystal Tremblay, PhD Candidate*, University of Victoria, *Empowerment and communication in São Paulo, Brazil: experiences from community recycling initiatives.*

THURSDAY, APRIL 14 • 10:00 AM - 11:40 AM • 3200**3276. Advances in Spatial & Temporal Analysis: Examples from Different Landscapes (Sponsored by Space-Time Symposium)**

Room: *Aspen Room - Sheraton Hotel, Second Floor* (Paper Session)
 ORGANIZER(S): Space-Time Symposium Organizing Committee

CHAIR(S): Mark Alan Fonstad, Texas State University, San Marcos

10:00 Jeffery A. Thompson*, University of New South Wales @ ADFA; David Paull, University of New South Wales @ ADFA, *Exploring the spatial and temporal dynamics of snow cover and landscape phenology within the Australian Alps using remote sensing and GIS.*

10:20 Ted C. Eckmann*, Bowling Green State University, *Visualizing Human-Environment Interactions Using Animations Created From MODIS Data.*

10:40 Mbongowo J Mbuh, Student*, Missouri State University; Robert T Pavlowsky, Professor, Missouri State University; Matthew Baddock, PhD, 2Wind Erosion & Water Conservation Research Unit, USDA-ARS, Lubbock; Jeffrey A Lee, Professor, Texas Tech university; Thomas Gill, Professor, University of Texas-El Paso, *Soil influence and geomorphology of dust sources on the Southern High Plains using MODIS imagery from 2001 to 2009.*

11:00 Mark Alan Fonstad*, Texas State University, San Marcos, *Space, Time, and the Riverscape.*

3277. Human Mobility Tracking & Activity Spaces (Sponsored by Space-Time Symposium)

Room: *Cedar Room - Sheraton Hotel, Second Floor* (Paper Session)
 ORGANIZER(S): Space-Time Symposium Organizing Committee

CHAIR(S): Yongmei Lu, Texas State University - San Marcos

10:00 Hugh Millward, PhD*, Saint Mary's University, *Walking for Active Transport: Destinations, Durations, and Distances from the Halifax STAR Survey.*

10:20 Yihong Yuan*, Department of Geography, University of California, Santa Barbara; Martin Raubal, Department of Geography, University of California, Santa Barbara; Yu Liu, Institute of Remote Sensing and Geographic Information Systems, Peking University, *Exploring the Correlation between Human Mobility and Cell Phone Usage.*

10:40 Julia McQuoid, MSc*, Utrecht University; Martin Dijst, Prof. dr., Utrecht University, *'Walking in My Shoes': An Embodied, Situational Spatio-Temporal Perspective on Daily Life for Low-income Single Mothers in San Francisco, California.*

11:00 Mathias Versichele, MSc*, Universiteit Gent; Tijs Neutens, Dr., Universiteit Gent; Matthias Delafontaine, MSc., Universiteit Gent; Nico Van de Weghe, Prof. dr., Universiteit Gent, *Bluetooth tracking for analyzing spatio-temporal dynamics of crowds.*

11:20 Yongmei Lu*, Texas State University - San Marcos, *Detecting Travel Patterns and Deviation from Routine.*

3278. Challenges in Spatiotemporal Research (Sponsored by Space-Time Symposium)

Room: *Douglas Room - Sheraton Hotel, Second Floor* (Paper Session)
 ORGANIZER(S): Space-Time Symposium Organizing Committee

CHAIR(S): Helen Couclelis, University of California

10:00 Katharine E. Currier*, University of California, Santa Barbara, *Auditory representation in geographic and spatial applications.*

10:20 Aniruddha Banerjee, PhD*, Prevention Research Center, *Towards an improved Formalism in GIScience II: A new topological measure for Spatial Analysis.*

10:40 Yee Leung*, The Chinese University of Hong Kong, *A Multi-scale Approach to Space-Time Integration.*

11:00 Steven M. Manson*, University Of Minnesota; David O'Sullivan, School of Environment, The University of Auckland, *Do Physicists Have "Geography Envy"?*

11:20 Helen Couclelis*, University of California, Santa Barbara, *If Time is an Illusion....*

3279. The Cultivation and Conservation of Biological Diversity, Part II (Sponsored by Cultural and Political Ecology Specialty Group, Latin America Specialty Group, Biogeography Specialty Group)

Room: *Grand Ballroom A - Sheraton Hotel, Second Floor* (Panel Session)

ORGANIZER(S): Emma Gaalaas Mullaney, The Pennsylvania State University; Deborah Scott, Rutgers University

CHAIR(S): Emma Gaalaas Mullaney, The Pennsylvania State University

Panelists: Thomas Gillespie, UCLA; Laura C. Schneider, Rutgers University; Elizabeth S. Barron, Harvard University; Janet Momsen, Univ of California

3282. Neoliberal Redevelopment Governance Post 2010: Trends and Possibilities (Sponsored by Urban Geography Specialty Group, Socialist and Critical Geography Specialty Group)

Room: *Grand Ballroom D - Sheraton Hotel, Second Floor* (Paper Session)

ORGANIZER(S): Sternberg Carolina, University of Illinois at Urbana Champaign; Matthew Anderson, University of Illinois at Urbana-Champaign

CHAIR(S): Sternberg Carolina, University of Illinois at Urbana Champaign

10:00 Carolina Sternberg*, University of Illinois at Urbana Champaign; Matthew Anderson, University of Illinois at Urbana Champaign, *Chicago's Neoliberal Redevelopment Governance and the Retirement of Mayor Daley: What Comes Next?.*

10:20 Robert Edward Cochran*, University of Illinois, *Reinterpreting Foucault: Implications for the Current U.S. City.*

10:40 James A. Hanlon*, Southern Illinois University Edwardsville, *With or Without HOPE VI: The Devolution of Public Housing Redevelopment in the U.S..*

11:00 Stijn Oosterlynck*, University of Antwerp; Sara Gonzalez, Leeds University, *The financial-economic crisis and variegated urban neoliberalization: a cultural political economy approach.*

11:20 Andrew Wood*, University of Kentucky, *The growth machine in troubled times?.*

3283. Caregiving Research: Recent Geographical Contributions

Room: *Juniper Room - Sheraton Hotel, Second Floor* (Paper Session)

ORGANIZER(S): Rhonda Donovan, McMaster University; Allison Williams, McMaster University

CHAIR(S): Allison Williams, McMaster University

10:00 Melissa Giesbrecht, MA*, Simon Fraser University; Valorie A. Crooks, PhD, Simon Fraser University; Kelli Stajduhar, PhD, University of Victoria, *Exploring the place of language in Canadian home health care.*

10:20 Silvia D'Addario*, York University, *Care(ful) Spaces: Exploring Work, Home and the Commodification of Care.*

10:40 Menusha De Silva*, National University of Singapore, *Transnational Eldercare and the Transforming of Care Expectations of Left-behind Elders in Sri Lanka.*

11:00 Rhonda Donovan, MA*, McMaster University, *Caregiving as a Vietnamese Tradition: 'It's like eating, you just do it'.*

Discussant(s): Allison Williams, McMaster University

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- 3286. Critical space-time geographies II (Sponsored by Space-Time Symposium)**
Room: Willow A - Sheraton Hotel, Second Floor (Paper Session)
 ORGANIZER(S): Tim Schwanen, University of Oxford; Mei-Po Kwan, Ohio State University
 CHAIR(S): Mei-Po Kwan, Ohio State University
10:00 Tarek Virani, PhD Candidate, KCL Culture, Media and Creative Industries Research; Antonios Vradis*, PhD Candidate, LSE Geography, *Urban Places, Urban Rhythms, Urban Revolts: An investigation into the place-based dynamics of the 2008 revolt in Greece.*
10:20 Rina Ghose*, University Of Wisconsin Milwaukee, *Spatio-temporal dimensions in Public Participation GIS in the inner-city revitalization context.*
10:40 Annette M. Kim, Ph.D.*, MIT, *Mapping unmapped property: Advocating a spatially and temporally flexible planning paradigm with application to sidewalks in Ho Chi Minh City, Vietnam.*
11:00 Stephen Burgess, Dr*, Cardiff University, *Qualitative GIS: defending a mixed-method approach to spatiotemporal analysis.*
 Discussant(s): Matthew W. Wilson, Ball State University
- 3287. Using Historical and Cultural Gazetteers (Sponsored by Space-Time Symposium, Harvard University Center for Geographic Analysis, Association of American Geographers)**
Room: Willow B - Sheraton Hotel, Second Floor (Paper Session)
 ORGANIZER(S): Humphrey Southall, University of Portsmouth
 CHAIR(S): Humphrey Southall, University of Portsmouth
10:00 Julie Sweetkind-Singer*, Stanford University, *Next-generation library catalogs and the integration of gazetteer information for geographical research.*
10:20 David Germano*, University of Virginia, *The Role of Community-Driven Ontologies in Expanding Structured Data in Gazetteers.*
10:40 Michael Fournier*, U.S. Bureau Of the Census, *US Federal Government Gazetteers and Their Potential Utility in Constructing a Temporal GIS.*
 Discussant(s): Linda Hill, University of California, Santa Barbara

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- 3306. Recreation, Tourism, and Sport Specialty Group Business Meeting**
Room: 606 - Washington State Convention Center, Level 6
- 3311. Health and Medical Geography Specialty Group Business Meeting**
Room: 611 - Washington State Convention Center, Level 6
- 3315. Disability Specialty Group Business Meeting**
Room: 615 - Washington State Convention Center, Level 6
- 3319. Sexuality and Space Specialty Group Business Meeting**
Room: 619 - Washington State Convention Center, Level 6
- 3335. Political Geography Specialty Group Business Meeting**
Room: 3B - Washington State Convention Center, Level 3
- 3343. Russian, Central Eurasian, and East European Specialty Group**
Room: 212 - Washington State Convention Center, Level 2
- 3346. Canadian Studies Specialty Group Business Meeting**
Room: 2A - Washington State Convention Center, Level 2
- 3358. History of Geography Specialty Group Business Meeting**
Room: University - Sheraton Hotel, Union Tower, Fourth Floor
- 3361. Cartography Specialty Group Business Meeting**
Room: Ballard - Sheraton Hotel, Pike Tower, Third Floor
- 3372. China Specialty Group Business Meeting**
Room: Metropolitan Ballroom B - Sheraton Hotel, Third Floor
- 3373. Geography of Wine Specialty Group Business Meeting**
Room: Queen Anne - Sheraton Hotel, Union Tower, Third Floor
- 3380. NSF SBE 2020 Initiative: Next Generation Research Challenges at NSF, featuring Myron Gutmann, Assistant Director, NSF Directorate for the Social, Behavioral and Economic Sciences**
Room: Grand Ballroom B - Sheraton Hotel, Second Floor (Plenary Session)
 ORGANIZER: Douglas Richardson, Association of American Geographers
 INTRODUCTION: Thomas Baerwald, NSF
 Speaker: **Myron Gutmann**, Assistant Director, NSF Directorate for Social, Behavioral, and Economic Sciences
- 3381. Lunchtime Plenary Address by Jack Dangermond, President of Esri**
 Thursday, April 14, 11:40 a.m. - 12:30 p.m.
Room: Grand Ballroom C - Sheraton Hotel, Second Floor
 INTRODUCTION: Douglas Richardson, AAG Executive Director
 Speaker: **Jack Dangermond**, President, Esri

THURSDAY, APRIL 14 • 12:40 PM - 2:20 PM • 3400**3403. Place and Health (Sponsored by Health and Medical Geography Specialty Group)**

Room: 603 - Washington State Convention Center, Level 6
(Paper Session)

ORGANIZER(S): Antony Chum, University of Toronto, Dept of Geography

CHAIR(S): Melissa Fong, University of Toronto

12:40 Antony Chum*, University of Toronto, Dept of Geography, *Policy implications of neighbourhood effects on health research: towards an alternative to poverty deconcentration.*

1:00 Amir Ganjavie*, University of Toronto, *Urban form and physical activity of children: the case of Saint-Sacrement and Lairet, Quebec City, Canada.*

Discussant(s): Melissa Fong, University of Toronto

3404. Military Geography

Room: 604 - Washington State Convention Center, Level 6
(Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Zoltan Grossman, The Evergreen State College

12:40 Ryan Taira*, Joint POW/MIA Accounting Command; Jay Silverstein, PhD, Joint POW/MIA Accounting Command; Shane Ring, General Dynamics Information Technology, *Enterprise and Mobile GIS in the Search for US POW/MIA Service Members.*

1:00 Marigold Norman*, UW-Madison, *Memory, erasure and rights to contaminated land: the Badger Army Ammunitions Plant.*

1:20 Erin Garity*, University of Kansas, *The Ephemeral Experience of Place: Growing Up In The Army.*

1:40 Zoltan Grossman*, The Evergreen State College, *Militarized and Globalized Landscapes in Panama since the Imperial Withdrawal.*

3406. Cosmopolitan Urban Tourism: Gentrification and Heritage Perspectives (cosponsor: ATLAS Tourism Geographies group) (Sponsored by Recreation, Tourism, and Sport Specialty Group)

Room: 606 - Washington State Convention Center, Level 6
(Paper Session)

ORGANIZER(S): Alan A. Lew, Northern Arizona University; Julie Wilson, University of the West of England, Bristol

CHAIR(S): Alan A. Lew, Northern Arizona University

12:40 Omer Omer*, University of North Carolina at Greensboro; Omer A. Omer, UNCG, *The Rise of Creative Turn in Tourism?*

1:00 Julie Wilson, Dr*, University of the West of England, Bristol, *Gentrification processes in the production and consumption of urban tourism.*

1:20 Philip Hubbard, Prof*, University of Kent, *Sexy tourism, gentrification and the corporate city.*

1:40 Boris Michel*, Universität Erlangen-Nürnberg; Henning Füller, Universität Erlangen-Nürnberg, *EasyJetsetters und Digital Bohemia: Touristification in Berlin-Kreuzberg.*

2:00 Ian Elsmore, Senior Lecturer*, Sheffield Hallam University, *From Brew-house to Bedroom: Considering historic building redevelopment through an Actor-Network perspective.*

3407. Social Movement Scholarship: Perilous Positionings between Academia and Activism 1 (Sponsored by Political Geography Specialty Group, Socialist and Critical Geography Specialty Group)

Room: 607 - Washington State Convention Center, Level 6
(Paper Session)

ORGANIZER(S): Byron A. Miller, University of Calgary; Walter J. Nicholls, Sociology, University of Amsterdam

CHAIR(S): Walter J. Nicholls, Sociology, University of Amsterdam

12:40 Melissa R. Gilbert, PhD*, Temple University, *Participatory Action Research on Social Movements: Contradictions and Crises.*

1:00 Walter J. Nicholls*, Sociology, University of Amsterdam; Byron Miller, Geography, University of Calgary, *Giving Voice: The Perilous Roles of Intellectuals in Social Movements.*

1:20 Heather P. Bedi*, Student, *Methodological reflections on resistance research in India.*

1:40 Raju J Das*, York University, *Appearance and Content: A study of a political movement in India.*

2:00 Sophie Oldfield, PhD*, University of Cape Town, *Building Valhalla: Neighborhood activism, research practice and knowledge production in a southern city.*

3408. Hot off the Presses: Early Results from the 2010 Census (Sponsored by Population Specialty Group)

Room: 608 - Washington State Convention Center, Level 6
(Paper Session)

ORGANIZER(S): Rachel S. Franklin, Brown University; Marc J. Perry, U.S. Bureau Of the Census

CHAIR(S): Marc J. Perry, U.S. Bureau Of the Census

12:40 Marc J. Perry*, U.S. Bureau Of the Census, *Population Change and Distribution in the United States: 2000 to 2010.*

1:00 Geoffrey William Hatchard*, U.S. Census Bureau, *Population Change and Distribution in the Northeast: 2000 to 2010.*

1:20 Steven G Wilson*, U.S. Census Bureau, *Population Change and Distribution in the Midwest: 2000 to 2010.*

1:40 Darryl T. Cohen*, U.S. Census Bureau, *Population Change and Distribution in the South: 2000 to 2010.*

2:00 Thomas Fischetti*, U.S. Census Bureau; Justyna Goworowska, U.S. Census Bureau, *Population Change and Distribution in the West: 2000 to 2010.*

3411. Spatial Epidemiology 3 - Disease Ecology and Habitat Modeling (Sponsored by Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group, Health and Medical Geography Specialty Group)

Room: 611 - Washington State Convention Center, Level 6
(Paper Session)

ORGANIZER(S): Eric M. Delmelle, UNC-Charlotte; John DeGroot, University of Northern Iowa

CHAIR(S): Eric M. Delmelle, UNC-Charlotte

12:40 Jared Aldstadt*, University at Buffalo, *Ecological modeling of dengue vector populations in rural Kamphaeng Phet, Thailand.*

1:00 Roland Ngom, Dr. *, McGill University; Valerie Hongoh, McGill University; Lea Berrang Ford, Dr., Department of Geography McGill University, *Assessing ecological niches of relevant public health mosquito species in Canada and predicting their spatial-temporal occurrence; what type of ecological variables to consider?.*

1:20 Colin Robertson*, Dept of Geography & Environmental Studies, Wilfrid Laurier University; Kate Sawford, Faculty of Veterinary Medicine, University of Calgary;

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- Craig Stephen, Faculty of Veterinary Medicine, University of Calgary; Trisalyn A Nelson, Spatial Pattern Analysis & Research Lab, Dept of Geography, University of Victoria, *Statistical analysis of emerging infections: quantifying patterns in frontline animal health surveillance data.*
- 1:40** Alexander Hohl*, University of North Carolina at Charlotte; Tomá? Václavík, University of North Carolina at Charlotte; David M. Rizzo, University of California at Davis; Ross K. Meentemeyer, University of North Carolina at Charlotte, *Go with the flow: Hydrological connectivity influences the dispersal of an invasive forest pathogen.*
- 2:00** Andrew C. Comrie*, University of Arizona; Cory W Morin, University of Arizona; Melinda K Butterworth, University of Arizona, *The Climate-Based Dynamic Mosquito Simulation Model (DyMSiM): Development and Availability.*
- 3412. Water governance and the politics of scale: A critical examination of water governance in a multi-scalar environment - Part I (Sponsored by Political Geography Specialty Group, Human Dimensions of Global Change Specialty Group, Water Resources Specialty Group)**
- Room: 612 - Washington State Convention Center, Level 6 (Paper Session)
- ORGANIZER(S): Emma S. Norman, University of British Columbia; Christina Cook, University of British Columbia
- CHAIR(S): Emma S. Norman, University of British Columbia
- 12:40** Corey Johnson*, University of North Carolina - Greensboro, *Toward Post-Sovereign Environmental Governance: Politics, Scale and EU Water Policy.*
- 1:00** Afton Clarke-Sather*, University of Colorado, Boulder, *Aridity, Agriculture and the Rescaling of Nature in Northwestern China.*
- 1:20** Tom Fletcher*, Bishop's University, *Protecting Memphremagog: Inter-Jurisdictional Governance and Inter-Organizational Activism on the Quebec-Vermont Border.*
- 1:40** Bharat Khushal Punjabi*, University of Western Ontario, *Rescaling environmental activism as a response to neo liberalism: The success and failures of environmental activism on Mumbai's resource frontier.*
- 3413. Tangibles, Intangibles and New Geographies of Manufacturing/Production: Beyond Global Production Networks? (3) (Sponsored by Economic Geography Specialty Group)**
- Room: 613 - Washington State Convention Center, Level 6 (Paper Session)
- ORGANIZER(S): John Bryson, University of Birmingham; Vida Vanchan, Buffalo State College
- CHAIR(S): John Bryson, University of Birmingham
- 12:40** Carey Durkin Treado, PhD*, University of Pittsburgh, *The Restructuring of Regional Production under Globalization: Steel Technology in Pittsburgh.*
- 1:00** Vida Vanchan*, SUNY - Buffalo State College, *The Nature of Contracts, Network Cultivation, and Relationships between Industrial Design Firms and their Clients.*
- 1:20** Ahoefa Chantal Hales, PhD*, The University of Birmingham, *Surviving in turbulent times: tangible and intangible strategies for developing resilience in the property development sector.*
- 1:40** Michael J. Taylor*, University of Birmingham, *Power, Transaction Governance and Change: Engineering Firms in the English Midlands.*
- Discussant(s): John Bryson, University of Birmingham
- 3414. Global Processes and Cultural Production: The Changing Economic Geography of the Cultural Industries (Sponsored by Economic Geography Specialty Group)**
- Room: 614 - Washington State Convention Center, Level 6 (Panel Session)
- ORGANIZER(S): Elizabeth Currid-Halkett, University of Southern California
- CHAIR(S): Elizabeth Currid-Halkett, University of Southern California
- Panelists: Meric S. Gertler, University of Toronto; Norma Rantisi; Robert Kloosterman, University of Amsterdam; Harvey Molotch, NYU; Dominic J. Power; Mark Lorenzen, Copenhagen Business School
- 3415. Contending with Disability in our Everyday Lives (Sponsored by Disability Specialty Group)**
- Room: 615 - Washington State Convention Center, Level 6 (Panel Session)
- ORGANIZER(S): Vandana Wadhwa, Boston University; Michael L Dorn, Temple University
- CHAIR(S): Vandana Wadhwa, Boston University
- Discussant(s): Susan Schweik
- Panelists: Carla Keirns, Stony Brook University; Leonor Vanik, UIC-Chicago; Eleazar Vazquez, UIC; Karen Braitmayer, Studio Pacifica, Ltd.; Vandana Wadhwa, Boston University; Michael L Dorn, Temple University
- 3416. Socio-Cultural Dimensions of Climate Change 3 (Sponsored by Cultural and Political Ecology Specialty Group, Human Dimensions of Global Change Specialty Group, Ethics, Justice, and Human Rights Specialty Group)**
- Room: 616 - Washington State Convention Center, Level 6 (Paper Session)
- ORGANIZER(S): Barbara Walker, UC Santa Barbara; David Lopez-Carr, UC Santa Barbara
- CHAIR(S): Cheryl Chen, UC Santa Barbara
- 12:40** Ann Piersall, The University of Montana; Sarah J. Halvorson*, The University of Montana, *Local perceptions of Glacial Retreat and Livelihood Impacts in the At-Bashy Range of Kyrgyzstan.*
- 1:00** Jessica K. Graybill*, Colgate University, *"It's all changing, but it isn't global climate change": Narratives about vulnerability and resilience in sub-Arctic Kamchatka.*
- 1:20** Jason A. Byrne, PhD (USC)*, Griffith University, School of Environment; Wendy Steele, PhD (Griffith), Griffith University, Urban Research Program; Diana MacCallum, PhD (Curtin), Curtin University, Urban & Regional Planning, *A polarising future? Climate (in) justice and Australian urban spatial planning.*
- 1:40** Kalpana Venkatasubramanian*, Department of Geography, Rutgers University, *Politics of a Climate Change 'Solution' - Case of millet as a 'wonder' crop in India.*
- 2:00** Christian D Klose*, Think GeoHazards, New York, *Haiti's adaptation practices to tropical storm hazards between 1850-2010.*
- 3417. Interstitial and Subversive Food Spaces III: Localization Processes (Sponsored by Cultural and Political Ecology Specialty Group, Rural Geography Specialty Group)**
- Room: 617 - Washington State Convention Center, Level 6 (Paper Session)
- ORGANIZER(S): Ryan Edward Galt, University of California, Davis; Leslie Gray, Santa Clara University
- CHAIR(S): Jessica Beckett, Community Development Department, UC Davis
- 12:40** Autumn Long*, West Virginia University Department of Geology & Geography, *Subsistence and Resistance: Non-capitalist Food Production as Anti-capitalist Politics?.*

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1:00 Jerry Shannon*, University of Minnesota; K. Valentine Cadieux, University of Minnesota, *What we talk about when we talk about local food: Perspectives on food system regionalization in Southeast Minnesota.*

1:20 Mollie-Marie Workman*, Ohio State University, *The Implications of Good Food.*

1:40 Ryan E. Galt*, University of California, Davis; Libby O'Sullivan, University of California, Davis; Joanna Normoyle, University of California, Davis, *Community Supported Agriculture (CSA) in California's Central Valley: Membership and Farm Trends, Cooperation-Competition, Conventionalization, and the Great Recession.*

2:00 Leslie Gray*, Santa Clara University, *Scaling up Backyard Gardens to Build Food Justice.*

3418. Geographies of Media VIII: Author meets the Critics - Brett Christophers's 'Envisioning Media Power' (Sponsored by Communication Geography Specialty Group)

Room: 618 - Washington State Convention Center, Level 6 (Panel Session)

ORGANIZER(S): Jason Dittmer, University College London; James Craine, California State University Northridge
CHAIR(S): Jason Dittmer, University College London
Panelists: Chris Gibson, University of Wollongong; Mike A. Crang, University of Durham; Jon Bohland, Hollins University; Paul C. Adams, University of Texas at Austin; Brett Christophers, Department of Social and Economic Geography, Uppsala University

3419. City of Quartz at 20: The View from Past Futures

Room: 619 - Washington State Convention Center, Level 6 (Panel Session)

ORGANIZER(S): Alexander Tarr, UC Berkeley Geography
CHAIR(S): Alexander Tarr, UC Berkeley Geography
Introducer: Alexander Tarr
Panelists: Richard A. Walker, University of California-Berkeley; Wendy Cheng, Arizona State University; Juan David De Lara, University of Southern California; Ruth Wilson Gilmore, CUNY Graduate Center

3420. Issues in Ethnic Geography III (Sponsored by Population Specialty Group, Urban Geography Specialty Group, Ethnic Geography Specialty Group)

Room: 620 - Washington State Convention Center, Level 6 (Paper Session)

ORGANIZER(S): Stavros T. Constantinou, Ohio State University
CHAIR(S): Stavros T. Constantinou, Ohio State University

12:40 Alexander R. Stewart*, George Washington University, *Ethnic Symbolism Within and Without the Grocery Stores of Maryland's "International Corridor".*

1:00 Carolyn Gomez*, Binghamton University, *Latinos on Long Island: Exploring Evolving Latino Settlement Structures in Nassau and Suffolk Counties.*

1:20 Jan Lin, Professor*, Occidental College, *Heritage Preservation and Ethnic Theme Parks in the Chinatowns of New York and Los Angeles.*

1:40 Jim McCluskey*, University of Wisconsin Colleges; Ann Herda-Rapp, University of Wisconsin Marathon County, *The Social Integration of Wausau's Hmong Community.*

3421. Remote Sensing

Room: 6ABC - Washington State Convention Center, Level 6 (Poster Session)

ORGANIZER(S): Program Committee

Sandra K. Poppenga, Geographer*, U.S. Geological Survey, *Generating Surface Flow Features from 1-Meter Lidar-Derived Digital Elevation Models.*

Wenli Huang*, University of Maryland, College Park; Guoqing Sun, University of Maryland, College Park; Ralph Dubayah, University of Maryland, College Park; Wenjian Ni, Chinese Academy of Sciences, *Forest Biomass Estimation from Small and Medium Footprint Airborne LiDAR.*

Amanda Whitehurst*, University of Maryland; Ralph Dubayah, Geography Department, University of Maryland, College Park; J. Bryan Blair, Laser Remote Sensing Branch, NASA Goddard Spaceflight Center; Anu Swatantran, Geography Department, University of Maryland, College Park; Luran Duncanson, Geography Department, University of Maryland, College Park, *Exploring Forest Canopy Structure through Lidar Remote Sensing.*

Mark S. Dondero*, Texas State University-San Marcos, Dept of Geography; Jennifer L.R. Jensen, Ph.D., Texas State University-San Marcos, Dept of Geography, *Lidar as a tool to characterize fire disturbance regimes in sagebrush-steppe ecosystems: a case study in the Reynolds Creek Experimental Watershed.*

Hao Tang*, *Rain forest LAI retrieval using both medium footprint and small footprint airborne scanning LIDAR.*

David E Tenenbaum*, University of Massachusetts Boston; Yun Yang, University of Massachusetts Boston; Weiqi Zhou, University of California Davis, *A Comparison of Object-oriented Image Classification and Transect Sampling Methods for Obtaining Land Cover Information from Digital Orthophotography.*

Cathi Jones Winings, Master's Candidate*, Western Washington University, *Measuring Alpine Treeline Position Using High-Resolution Imagery and Laser Data, North Cascades National Park, Washington.*

Feng Zhao*, University of Maryland, College Park, *Integrating Time Series Landsat Image and Lidar for Improved Biomass Monitoring.*

Alexis Aguilar, Dr.*, Salisbury University; Claudia Veliz Rosas, M.Sc., La Molina National Agrarian University, Lima, Peru, *Use of a Decision Tree Classifier to Map Vegetation in a Protected Area in the Eastern Andes of Peru.*

Jason J Yang*, Ball State University, *Urban Growth Detection in Taiyuan, China Using Satellite Remote Sensing.*

Jacob A Noel*, University of Louisville, *Quantifying Changes in Forest Cover by Remote Sensing: Runyinya, Rwanda.*

Timothy A. Warner*, West Virginia University, *The Potential for Mapping Wildfires in West Virginia using Landsat Imagery.*

Josh Gray*, UNC-CH Department of Geography; Conghe Song, PhD., UNC-CH Department of Geography, *Mapping LAI time series using multi-sensor, multi-scale, multi-temporal imagery.*

Gordon M Green*, City University of New York; Wenge Ni-Meister, PhD, Hunter College, City University of New York; Shihyan Lee, PhD, City University of New York, *Probabilistic Mapping of Vegetation Structure Using ICESat/GLAS.*

J. Meghan Salmon*, Boston University; Mark Friedl, Dr., Boston University; Damien Sulla-Menashe, Boston University; Doug Bolton, Boston University; Adam Sibley, Stanford University, *Mapping Global Patterns in Irrigation Using MODIS.*

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- Vena Chu*, UCLA; Laurence C Smith, UCLA; Simon J Hook, Jet Propulsion Laboratory, *Investigating Water Quality Response to Wind-driven Upwelling Events at the Salton Sea Using MODIS Satellite Imagery.*
- Charley R Follett*, Carthage College, *Increasing Accuracy of Combined AMSR-E and MODIS Snow Cover Product With Cloud Removal Algorithm.*
- Jinyoung Rhee*, University of South Carolina; Jung-ho Im, SUNY ESF; Greg Carbone, University of South Carolina, *Agricultural drought monitoring using multi-sensor remote sensing data.*
- Weijie Wang*, Department of Geography & Anthropology, Louisiana State University, *Quantitative Analysis between Urban Heat Island and Normalized Difference Building Index based on Remote Sensing.*
- Kusuma Prabhakara*, University of Maryland, College Park; W. Dean Hively, PhD, USGS Eastern Geographic Science Center, *A greenness index for estimating winter groundcover in agricultural watersheds.*
- Andrew K Thorpe*, Department of Geography, University of California, Santa Barbara; Eliza S Bradley, Department of Geography, University of California, Santa Barbara; Chris Funk, Department of Geography, University of California, Santa Barbara; Dar A Roberts, Department of Geography, University of California, Santa Barbara; Ira Leifer, Marine Science Institute, University of California, Santa Barbara; Philip E Dennison, Department of Geography and Center for Natural and Technological Hazards, University of Utah, *Mapping methane from terrestrial hydrocarbon seepage using AVIRIS.*
- Joseph Sturgis*, Missouri State University; Xin Miao, Ph.D., Missouri State University, *Modeling the Potential Distribution of the Joshua Tree (Yucca brevifolia) using Logistic Regression.*
- Ming-chih Hung*, Northwest Missouri State University; Melanie Salyer, Wise County, VA, *Remote sensing to examine coal mining impacts to vegetation in Flap Cap, Wise County, VA.*
- Brian Johnson*, Florida Atlantic University, *Evaluating and refining an image segmentation of a residential area.*
- Christine A. Nycz*, University of Nebraska - Lincoln, *Practical Applications of Geophysics at Archeological Sites in the Great Plains.*
- Min Kook Kim*, PH.D. Candidate, University of Maine; John J Daigle, University of Maine, *Detecting Vegetation Diversity Change Due to Trampling on Cadillac Mountain Summit Using High Resolution Remote Sensing Datasets from 2001 and 2007.*
- Aaron Ross*, West Virginia University; Brenden McNeil, Dr., West Virginia University; Charles T Driscoll, Dr., Syracuse University, *Measurement of leaf macro-and micro- nutrients through reflectance spectroscopy.*
- Jared Zeringue*, University of New Orleans, *Change detection of Cat Island, Mississippi using Landsat 5 Thematic Mapper.*
- Seth D Kenbeek*, Calvin College; Abigail Belford, Calvin College; Jason VanHorn, Calvin College; Deanna van Dijk, Calvin College, *Remote Sensing and Geospatial Analysis of Active Lake Michigan Dunes.*
- Baojuan Zheng*, Virginia Tech; James B. Campbell, Virginia Tech, *Mapping Agricultural Tillage Practices Using Multi-temporal Remote Sensing Imagery.*
- Jiaxun Chai*, Virginia Tech, *A phenological comparison of GIMMS AVHRR NDVI, MODIS NDVI, and SPOT NDVI.*
- Samuel A Thomas*, University of Cincinnati, *Development of a Geosensor Network Prototype for Homeland Security along the Ohio River.*
- 3424. Material forms of geographical knowledge: historicising and deconstructing maps, texts and images. (Sponsored by Historical Geography Specialty Group)**
Room: 301 - Washington State Convention Center, Level 3 (Paper Session)
ORGANIZER(S): Julie Mcdougall, University of Edinburgh; Amy Prior, University of Edinburgh
CHAIR(S): Matt Dyce, UBC
12:40 Matt Dyce*, UBC, *Canada Between the Photograph and the Map.*
1:00 Jenna Goins*, Michigan State University, *Cartographic Propaganda in the Cold War: Soviet and American Maps.*
1:20 Amy D Prior, BSc*, University of Edinburgh, *The cartographic representation of Africa, 1880-1915: H.H. Johnston and the print history of African mapping.*
1:40 Julie Mcdougall*, University of Edinburgh, *The development and publishing history of school atlases and British Geography, c. 1880 - c. 1930.*
2:00 Anthony Harkins, Ph.D.*, Western Kentucky University, *Constructing "Flyover Country": Commercial Aviation and the Reimagining of American Cultural Geography.*
- 3425. Electricity and Mining**
Room: 302 - Washington State Convention Center, Level 3 (Paper Session)
ORGANIZER(S): Program Committee
CHAIR(S): Caitlin A McElroy, Oxford University
12:40 Paul J. Maliszewski*, Arizona State University; Elisabeth K. Larson, University of Washington; Charles Perrings, Arizona State University, *Environmental Determinants of Unscheduled Electrical Power Outages in Phoenix, Arizona.*
1:00 Patrick Devine-Wright*, University of Exeter, *Pylon Protest: Exploring place-based energy conflict over overhead power line proposals.*
1:20 Matthew David Cotton, PhD*, University of Exeter, *Deliberative community engagement with electricity network planning.*
1:40 Nedham A. Alshafai*, Qatar University, *The large non-petroleum industries in the GCC countries.*
2:00 Caitlin A McElroy, BA, MSc*, Oxford University, *Processes of Learning: Corporate Foundations in the Mining Industry.*
- 3426. Dendrochronology IX: Dendroecology (Sponsored by Paleoenvironmental Change Specialty Group, Biogeography Specialty Group)**
Room: 303 - Washington State Convention Center, Level 3 (Paper Session)
ORGANIZER(S): Christopher M. Gentry, Austin Peay State University; Amanda Stan
CHAIR(S): Amanda Stan
12:40 Justin Hart*, University of Alabama; Stacy Clark, USDA Forest Service; Scott Torreano, University of the South, *Vegetation and canopy disturbance patterns in an old-growth forest on the Cumberland Plateau tablelands of Tennessee.*
1:00 Vanessa Stretch*, University of Guelph; Ze'ev Gedalof, University of Guelph; Aaron A Berg, University of Guelph, *Site-specific Explanations of Differential Radial Growth Responses to CO2 Fertilization in Western North American Tree Species.*
1:20 Amy Nicoll*, University of British Columbia; Lori Daniels, University of British Columbia; Marwan Hassan, University of British Columbia, *Transport and storage dynamics of woody debris in a forested watershed of the Rocky Mountain Foothills.*

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1:40 Jodi N. Axelson*, University of Victoria; Rene I Alfaro, Canadian Forest Service, Pacific Forestry Centre; Brad C Hawkes, Canadian Forest Service, Pacific Forestry Centre, *Relationships between climate, forest disturbance and tree-ring variability of lodgepole pine on the eastern slopes of the Rocky Mountains, Alberta.*

2:00 Amanda B. Stan*, Northern Arizona University; Lori D. Daniels, University of British Columbia, *Growth releases along a natural canopy gap-forest gradient in old-growth forests of coastal British Columbia, Canada.*

3427. The Status of Geospatial Technology at Historically Black Colleges and Universities (Sponsored by AAG Aligned Project)

Room: 304 - Washington State Convention Center, Level 3 (Panel Session)

ORGANIZER(S): David A. Padgett, Tennessee State

CHAIR(S): David A. Padgett, Tennessee State

Panelists: Rakesh Malhotra; David A. Padgett, Tennessee State; Gordana Vlahovic, North Carolina Central University; Adegoke Ademiluyi, Fayetteville State University

3428. Rethinking, redressing and reclaiming gendered knowledges (Sponsored by Geographic Perspectives on Women Specialty Group)

Room: 305 - Washington State Convention Center, Level 3 (Paper Session)

ORGANIZER(S): Deborah Thien, California State University, Long Beach

CHAIR(S): Maria Elisa Christie, Virginia Tech

12:40 Ashley R. Coles*, University of Arizona; Mauricio Quintero Ángel, Social and Environmental Sense, *Integrating Non-expert Knowledge into Hazard Management: the Guardianas de la Ladera in Manizales, Colombia.*

1:00 Sutapa Chattopadhyay*, Maastricht University, Faculty of Health, Medicine and LifeSciences, *Narrating Delivery Complications of Young Mothers : Discourses of Power, Knowledge and Gender.*

1:20 Natalie Jolly, PhD*, University of Washington, *Exploring Feminist Ethnography: Homebirth, Midwives and Women in an Amish Community.*

1:40 Arielle Hesse*, University of Bristol, *Responsibilities of everyday.*

2:00 Maria Elisa Christie, Ph.D.*, Virginia Tech; Candice Luebbering, Ph.D. Candidate, Virginia Tech, *Women as Mapmakers: Gender and Empowerment in Participatory Mapping.*

3429. Climate Change and Hydrology (Sponsored by Climate Specialty Group)

Room: 306 - Washington State Convention Center, Level 3 (Paper Session)

ORGANIZER(S): Mark D. Schwartz, University Of Wisconsin - Milwaukee

CHAIR(S): Steve LaDochy, California State University Los Angeles

12:40 Yaning Chen*, Xinjiang institute of Ecology and Geography, Chinese Academy of Sciences; Changchun Xu, School of Resources and Environmental Science, Xinjiang University; Xingming Hao, Xinjiang institute of Ecology and Geography, Chinese Academy of Sciences; Weihong Li, Xinjiang institute of Ecology and Geography, Chinese Academy of Sciences; Yapeng Chen, Xinjiang institute of Ecology and Geography, Chinese Academy of Sciences, *Climate Change and Runoff Responses: Adaptive Needs to Climate Change in the Tarim River, Northwest China.*

1:00 Daniel J Weiss*, Yellowstone Ecological Research Center; Robert L Crabtree, Yellowstone Ecological Research Center, *Trends and patterns in growing season length and precipitation in mountainous areas of the western United States.*

1:20 Madeline Steele*, Portland State University; Heejun Chang, Associate Professor, Portland State University; Ilwon Jung, Postdoctoral Researcher, Portland State University, *Potential Climate-Induced Runoff Changes In Pacific Northwest Coastal Watersheds.*

1:40 Thushara Ranatunga*, Department of Geography, University of Cincinnati; Susanna Tong, Professor, *Modeling the Impacts of Climate Change on Stream Discharge and Water Quality in Las Vegas Wash, Nevada.*

2:00 Steve LaDochy*, California State University Los Angeles; Pedro Ramirez, California State University, Los Angeles; Dan Killam, University of Southern California; Anne Bui, California Polytechnical University, Pomona; Bill Patzert, Jet Propulsion Laboratory, NASA; Josh Willis, Jet Propulsion Laboratory, NASA, *Precipitation trends in California.*

3430. Vegetation Dynamics of the Southwestern US (Sponsored by Landscape Specialty Group, Biogeography Specialty Group)

Room: 307 - Washington State Convention Center, Level 3 (Paper Session)

ORGANIZER(S): James J. Hayes, California State University Northridge; John O'Leary, San Diego State University

CHAIR(S): James J. Hayes, California State University Northridge

12:40 Shishi Liu*, University of California, Santa Barbara; Oliver Chadwick, University of California, Santa Barbara; Dar Roberts, University of California, Santa Barbara; Chris Still, University of California, Santa Barbara, *Estimating Actual Evapotranspiration in Mediterranean Annual Grassland Using Digital Webcams.*

1:00 James J. Hayes*, California State University Northridge; Aleksandra Ilicheva, California State University, Northridge, *Comparing age-size relationships and size-class analysis of valley oak in the Santa Monica Mountains, California, USA.*

1:20 John F. O'Leary*, Department of Geography, San Diego State University; William R. Bredemeyer, Department of Geography, San Diego State University, *Postfire Recovery of Coast live oak riparian forests in San Diego County, California.*

1:40 Joy N Mast, PhD*, Carthage College; Carol Chambers, PhD, Northern Arizona University, *Dead Trees Falling: Snag Dynamics and Impacts on Cavity-nesting Birds in Southwestern Ponderosa Pine Forests.*

2:00 Jacob Bendix*, Syracuse University; C. Mark Cowell, University of Missouri, *Disturbance and Regeneration in Riparian Forests of Southern California.*

3431. Deaf Space, Signed Languages, and d/Deaf Culture 1 (Sponsored by Qualitative Research Specialty Group, Communication Geography Specialty Group)

Room: 308 - Washington State Convention Center, Level 3 (Paper Session)

ORGANIZER(S): Austin Kocher, The Ohio State University; Emily Fekete, University of Kansas

CHAIR(S): Austin Kocher, The Ohio State University

12:40 Katherine Koppel*, California State University, Long Beach, *Between Life stages and Cultures: the spatial identities of children of D/deaf adults.*

1:00 Mary E Kitzel, MSc, CI, CT*, University of Sussex, *The first English deaf spaces: Exploring deaf identity formation in the late 18th century.*

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- 1:20** Pamela R. Conley, Associate Professor*, National Technical Institute for the Deaf, *Comparative Research on Space in ASL Poetry and BSL Poetry.*
- 1:40** Meghan Jezewski, BSW, MA in progress*, Studies in Policy and Practice, University of Victoria, *In Between d/Deafness(es): A geography of deafness and work.*
- 2:00** Mike Gulliver*, University of Bristol, *Adventures in DEAF space: Reality through the looking glass.*
- 3433. Hurricanes III: Past and Present Hurricanes on Mexico's Pacific Coast (Sponsored by Paleoenvironmental Change Specialty Group, Coastal and Marine Specialty Group, Climate Specialty Group)**
- Room: 310 - Washington State Convention Center, Level 3
(Paper Session)
ORGANIZER(S): Kam-Biu Liu, Louisiana State University; Harry Williams, University of North Texas
CHAIR(S): Harry Williams, University of North Texas
- 12:40** David R Roache*, University of South Florida; Jennifer M Collins, University of South Florida, *The Impact of the Madden - Julian Oscillation on Eastern North Pacific Basin Hurricane Season Onset.*
- 1:00** Graciela B Raga*, Centro de Ciencias de la Atmosfera; Beatriz Bracamontes-Ceballos, Centro de Ciencias de la Atmosfera, UNAM; Luis M Farfan, CICESE, Unidad La Paz; Rosario Romero-Centeno, Centro de Ciencias de la Atmosfera, UNAM, *Landfalling tropical cyclones on the Pacific coast of Mexico: A review from historical press reports.*
- 1:20** Jose Luis Antinao*, Desert Research Institute; Eric McDonald, Desert Research Institute, *Three Hundred Years of Hurricanes in Baja California from Documentary Sources: Implications for Sediment Flux and Landscape Evolution in the Peninsula.*
- 1:40** Thomas Anthony Bianchette*, Louisiana State University; Kam-biu Liu, Louisiana State University; Terrence A McCloskey, Louisiana State University, *Paleoenvironmental reconstruction from Jalisco and Guerrero on Mexico's Pacific Coast: Lagoonal sedimentary records of tropical cyclone activity.*
- 2:00** Kam-Biu Liu*, Louisiana State University; Thomas A. Bianchette, Louisiana State University; Terrence A. McCloskey, Louisiana State University; Shichen Tao, Louisiana State University; Qiang Yao, Louisiana State University; Luis Farfan, CICESE, Mexico; G.B. Raga, UNAM, Mexico, *Hurricane or Tsunami? An Extreme Event that Hit the Pacific Coast of Baja California Sur, Mexico, ca. 500 Years Ago.*
- 3434. Urban Foods 3: Farmers Markets in Space (Sponsored by Geographic Information Science and Systems Specialty Group, Rural Geography Specialty Group, Urban Geography Specialty Group)**
- Room: 3A - Washington State Convention Center, Level 3
(Paper Session)
ORGANIZER(S): Allison Brown; LaDona G. Knigge, California State University, Chico
CHAIR(S): LaDona G. Knigge, California State University, Chico
- 12:40** Jeremy L. Sage*, Washington State University, *Farmers Markets: Rationale of the Periodic Market Revisited.*
- 1:00** Amy Estelle Lukens, M.A.*, California State University at Chico, *Don't Even Think of Parking Here: Farmers' Markets and Contested Civic Space.*
- 1:20** Jana Spilkova*, Charles University in Prague, *The social spatialization of the alternative retail spaces: The case of farmers' markets in Prague, Czech Republic.*
- 1:40** James Mack*, University of Arizona; Daoqin Tong, PhD, University of Arizona, *The Implications of Space-Time Accessibility on Farmers' Market Participation.*
- Discussant(s): Allison Brown
- 3435. Race, Ethnicity, and Geographies of Discrimination**
- Room: 3B - Washington State Convention Center, Level 3
(Paper Session)
ORGANIZER(S): Program Committee
CHAIR(S): Byron T Smith, Univ. of South Carolina
- 12:40** Ralph Lenz, Professor of Geography*, Wittenberg University, *Ethnic Attitudes in Northeast Thailand.*
- 1:00** Yunliang Meng*, School of Social Work, York University; Uzo Anucha, School of Social Work, York University, *Using GIS to Uncover the Hidden Discrimination: A Racial Profiling Case Study in Toronto, Canada.*
- 1:20** Tarecq Amer*, University of California, Davis, *The Habit of Law: Race in the U.S. from Jim Crow to the War on Crime.*
- 1:40** Alexandra Fischer*, Humboldt State University, *A Fading Piece of Brutal History: The Bridge Gulch Massacre.*
- 2:00** Byron T Smith*, Univ. of South Carolina, *Review of Martin Luther King, Jr. National Historic Site Visitor Center in Atlanta, GA.*
- 3436. Conversations in the conflict zone III: being warrior**
- Room: 201 - Washington State Convention Center, Level 2
(Paper Session)
ORGANIZER(S): Sara Koopman, University of British Columbia; Derek Gregory, University of British Columbia
CHAIR(S): Joanne P. Sharp, University of Glasgow
- 12:40** Timothy Raeymaekers*, University of Zurich; benedikt Korf, University of Zurich, *Warlord geographies.*
- 1:00** David Grondin, Assistant Professor, School of Political Studies, University of Ottawa; Paul Racine-Sibulka*, School of Political Studies, University of Ottawa, *The Rise of Killer Robots, the End of the Warrior Ethos? War without Risk with the New American Way of War.*
- 1:20** Oliver Christian Belcher*, University of British Columbia, *"It Takes the Villages": Spatial Ontology and Biopolitics in U.S. Counterinsurgency Doctrine.*
- 1:40** Craig A Jones*, UBC, *From Lebanon to Gaza: Testimony, Trauma and Dissent in the Israel Defence Force.*
- 3437. Indigenous Peoples, Property and Geography III (Sponsored by Cultural and Political Ecology Specialty Group, Historical Geography Specialty Group, Indigenous Peoples Specialty Group)**
- Room: 202 - Washington State Convention Center, Level 2
(Paper Session)
ORGANIZER(S): Jessica Place, Simon Fraser University; Brian Egan, Carleton University
CHAIR(S): Patricia Burke Wood, York University
- 12:40** Heather Dorries*, University of Toronto, *Race, Property and Planning: The exclusionary politics of race and property in local land use planning and implications for First Nations in Ontario.*
- 1:00** Sophie Edwards, PhD Candidate*, Queen's University, *Neoliberal Inversions of First Nations economic development:.*
- 1:20** Louise C. Johnson, Dr/Associate Professor*, Deakin University, *How to plan post-colonial lands: examples from Australia and New Zealand.*
- 1:40** Lindsay Galbraith, MA*, University of Cambridge, *Climate change and self-determination: complementary or conflicting agendas?.*
- 2:00** Thomas F Thornton, PhD*, University of Oxford, *Forests and Fish: Property and Resource Rights Among Indigenous Peoples of the Russian and US Pacific Littoral.*

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- 3438. Technologies of Development: Policy, Practice and Discourse (Sponsored by Development Geographies Specialty Group, Economic Geography Specialty Group)**
Room: 203 - Washington State Convention Center, Level 2
(Paper Session)
ORGANIZER(S): Mark Graham, University of Oxford; Padraig Carmody, Padraig Carmody
CHAIR(S): James T. Murphy, Clark University
12:40 Mark Graham, Ph.D.*, University of Oxford, *Broadband Internet and Expectations of Altered Development Trajectories for East Africa*.
1:00 Padraig Carmody*, Trinity College Dublin, *The Impacts of ICT on the Wood Products Industry in Durban, South Africa*.
1:20 James T. Murphy*, Clark University, *Information-Communication Technologies (ICTs) and Industrial Change in Tanzania: Transforming Small, Medium, and Micro-Scale Enterprises?*.
1:40 Dorothea Kleine, Dr*, Royal Holloway, University of London, *Development 2.0 or Imposition n.0? Geographers engaging critically with ICT4D rhetoric and practice*.
Discussant(s): Chris Benner, University of California Davis
- 3439. Author Meets Critics: David Delaney's Nomospheric Investigations**
Room: 204 - Washington State Convention Center, Level 2
(Paper Session)
ORGANIZER(S): Michael Smith, University of British Columbia
CHAIR(S): Geraldine J. Pratt, University Of British Columbia
Introducer: Michael Smith
Panelists: Nicholas Blomley, Simon Fraser University; Sharron A. FitzGerald, Aberystwyth University; Derek Gregory, University of British Columbia; Renisa Mawani, The University of British Columbia; Joshua Barkan, University of Georgia; David Delaney, Amherst College
- 3440. Active Learning Strategies for Geographic Education I (Sponsored by Graduate Student Affinity Group, Geography Education Specialty Group, Geography Faculty Development Alliance (GFDA))**
Room: 205 - Washington State Convention Center, Level 2
(Paper Session)
ORGANIZER(S): Timothy Hawthorne, Columbus State University; Martin Katirai, West Chester University
CHAIR(S): Kenneth E. Foote, University of Colorado
Panelists: John Krygier, Ohio Wesleyan University; Rowena Butland; Kathleen Williams, University of Wisconsin-Milwaukee; Winifred Curran, DePaul University; Erika K. Wise, University of North Carolina at Chapel Hill
- 3441. Water Resource Policy in the Middle East**
Room: 206 - Washington State Convention Center, Level 2
(Paper Session)
ORGANIZER(S): Program Committee
CHAIR(S): Paris Edwards, OSU
12:40 Mark D. Green, Ph.D.*, Indiana State University, *The Evolution of a Runoff Management Structure: Mudaybi', Central Jordan*.
1:00 Basil Mahayni*, University of Minnesota, *Precarious Waters and Questionable Futures: Scarcity, Reform, and the State in Damascus, Syria*.
1:20 Marissa T. Isaak, MA*, University of Arizona, *Playing Politics at the World Bank: The Red-Dead Canal*.
1:40 Bridget Brown, M.S.*, Oregon State University; Paris B Edwards, M.S., Oregon State University, *Water Governance in the Middle East North Africa Region: A Policy and Legal Document Analysis Perspective*.
- 2:00** Luke Sanford*; Paris Edwards, M.S.*, OSU; Aaron Wolf, Oregon State University, *Water Governance in the Middle East North Africa Region: Applying a Multifaceted Benchmarking Approach*.
- 3442. Establishing Identity of Geographic Features: A Special Focus on Controversies in Naming the Sea between Korea and Japan (Sponsored by Cultural Geography Specialty Group)**
Room: 211 - Washington State Convention Center, Level 2
(Paper Session)
ORGANIZER(S): Jongnam Choi, Western Illinois University; Siyoung Park, Western Illinois University
CHAIR(S): Jongnam Choi, Western Illinois University
Panelists: Jongnam Choi, Western Illinois University; Siyoung Park, Western Illinois University; Jeong Chang Seong, University of West Georgia; Jaehyung Yu, Texas A & M University-Kingsville; So-Min Cheong, University of Kansas; Hyun Kim; Hyejin Yoon, Ohio State University; Heejun Chang, Portland State University; Hyowon Ban, California State University, Long Beach; Okkyong Yoon; Sang-Hyun Chi, University of Illinois at Urbana-Champaign
- 3443. Sustainable Pacific Northwest (Sponsored by Urban Geography Specialty Group, Cultural Geography Specialty Group)**
Room: 212 - Washington State Convention Center, Level 2
(Paper Session)
ORGANIZER(S): Chris Mayda, Eastern Michigan University
CHAIR(S): Chris Mayda, Eastern Michigan University
12:40 Chris Mayda*, Eastern Michigan University, *Sustainable Pacific Northwest*.
1:00 Yonn Dierwechter, Ph.D., University of Washington Tacoma; Anne Taufen Wessells, Ph.D.*, University of Washington Tacoma, *From networked spaces to transformed places: Localizing global climate protection in Seattle-Tacoma, USA*.
- 3444. Gentrification III: Seeing Nature, Seeing the City (Sponsored by Urban Geography Specialty Group)**
Room: 213 - Washington State Convention Center, Level 2
(Paper Session)
ORGANIZER(S): Julie Cidell, University of Illinois
CHAIR(S): Amy Thompson
12:40 Erin House*, Northeastern Illinois University, *Defining Habitats: Open Space, Ecological Gentrification and Environmental Injustice in the Chicago Region*.
1:00 Martin Klamt*, Humboldt-University of Berlin, *From Brownfield to Blossom? Gardening Expos between Urban Renewal and Green Gentrification*.
1:20 Brendon E Goodmurphy, MScPI*, University of Toronto, *The politics of aesthetics in Toronto: Opportunities and challenges for radical urban planning and the right to the city*.
1:40 Hunter Shobe*, Portland State University; David Banis, Portland State University, *'leaving hipsterville? see u next time': Abatement and the Cultural Politics of Graffiti in San Francisco and Portland*.
2:00 Amy Thompson*, University of Missouri, *Gentrification Through the Eyes (and Lenses) of Kansas City Residents*.

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Room: 214 - Washington State Convention Center, Level 2
(Paper Session)

ORGANIZER(S): Jean Taylor Ellis, University of South Carolina; Chris Houser, Texas A&M University

CHAIR(S): Ian James Walker, University of Victoria

12:40 Danika van Proosdij, PhD*, Saint Mary's University; Casey O'Laughlin, Saint Mary's University; Robin Davidson-Arnott, PhD, University of Guelph; Amber Silver, Saint Mary's University; Jeff Ollerhead, PhD, Mount Allison University, *Complexities in Sediment Transport Processes in Hyper-tidal Marshes*.

1:00 Nancy L. Jackson*, New Jersey Institute Of Technology; Karl F Nordstrom, Rutgers University, *Facilitating migration of coastal habitats in response to rising sea-levels: An adaptation strategy for national coastal parks*.

1:20 Karl F. Nordstrom*, Rutgers University; Nancy L. Jackson, New Jersey Institute of Technology; Patricia Rafferty, National Park Service, Northeast Region; Katherine H. Korotky, Rutgers University, *Mitigating the effects of bulkheads on the bay shore of Fire Island National Seashore*.

1:40 Paul A. Gares, PhD*, East Carolina University; Stephanie Hill, East Carolina University, *Spatial Aspects of Beach Response to Storms at Duck, NC*.

2:00 Chris Houser*, Department of Geography, Texas A&M University; Daniel Labude, Department of Geography, Texas A&M University, *Seasonal Variation of Rip and Shoal Morphology at Pensacola Beach, Florida*.

3446. Animal Geography: Human influence on wildlife and wild animals (Sponsored by Animal Geography Specialty Group)

Room: 2A - Washington State Convention Center, Level 2
(Paper Session)

ORGANIZER(S): Stella Capoccia, Rutgers University; Russell Fielding

CHAIR(S): Stella Capoccia, Rutgers University

12:40 Stella Capoccia*, Rutgers University, *Wildlife Organizations as a Pathway for Wildlife Dispersal in Kenya*.

12:55 Ryan T Klataske*, Michigan State University, *The Political Ecology of Conservation, Conservancies and Private Land in Namibia*.

1:10 Russell Fielding*, University of North Carolina - Chapel Hill, *Whaling or Tourism: Contested Ocean Space in the Caribbean*.

1:25 Matthew Kales*, U.S. Fish and Wildlife Service, *Home on the Range? Cooperation and Conflict at the National Bison Range, Montana*.

1:40 James Looney*, University of Kentucky, *Animal becomings and the biopolitical landscape: endangered species management in the Outer Banks*.

Discussant(s): Sharon Wilcox Adams, University of Texas Austin

3448. Psychoanalytic Geographies III: Technologies

Room: Cirrus Ballroom - Sheraton Hotel, Pike Tower, Thirty Fifth Floor
(Paper Session)

ORGANIZER(S): Paul T. Kingsbury, Simon Fraser University; Steve Pile, The Open University

CHAIR(S): Paul T. Kingsbury, Simon Fraser University

12:40 Heidi J. Nast*, DePaul University, *Geography, the Machine and Psychoanalysis*.

1:00 Jason V Starnes, PhD Candidate*, Simon Fraser University, *The Rise of the Spatial Symbolic Register in the Age of Ubiquitous GPS*.

1:20 Ian Shaw*, The University of Arizona; Jared Powell*, The University of Arizona; Jessica De La Ossa*, The University of Arizona, *Learning Violence: The Militarization of Schools and the Politics of Pleasure*.

1:40 Deborah Thien*, California State University, Long Beach, *"Welcome home our Military Sisters": Sexual difference, Emotion and (Post) Traumatic Spaces for Female Veterans with PTSD*.

2:00 Nick Schuermans*, K.U. Leuven, *White middle class South Africans driving on the N2 freeway in Cape Town: learning through emotions*.

3450. Local Government responses to climate change (Sponsored by Regional Development and Planning Specialty Group)

Room: Boren - Sheraton Hotel, Union Tower, Fourth Floor
(Paper Session)

ORGANIZER(S): Alina Congreve, University of Reading; Ellen Bassett, Portland State University

CHAIR(S): Alina Congreve, University of Reading

12:40 Ellen M. Bassett, Assistant Professor*, Portland State University, *Policy Innovation in Planning: Insights from Municipal Climate Action Plans*.

1:00 Eva Gustavsson, PhD*, Örebro University, Centre for Urban and Regional Studies, *Households as Role Models in Local Climate Change Mitigation - experiences from municipal dialogue projects in Sweden*.

1:20 Kirby Calvert*, Queen's University - Queen's Institute of Energy and Environmental Policy, *A Spatial Analysis Of Ontario's Attempts To Walk The Soft Energy Path*.

1:40 Ying Yin*, Royal Institute of Technology, Sweden; Maria Håkansson, Royal Institute of Technology, Sweden, *A Comparative Study of Environmental Policy and Management System between Sweden and China*.

2:00 Damian Pitt, PhD*, Virginia Tech, *The Impact of Residential Density on Small-Town Energy Use and Greenhouse Gas Emissions*.

3451. Restructuring in Cities and Industries

Room: Columbia - Sheraton Hotel, Union Tower, Fourth Floor
(Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Robert B. South, University of Cincinnati

12:40 Mark H. Drayse*, California State University, *Regional Restructuring of a Global Megacity: Los Angeles, 1990-2009*.

1:00 Yasmin Maja Hilpert*, Humboldt-University Berlin; Yasmin Maja Hilpert, Humboldt-University Berlin, *Occupation and Social Change in Metropolitan Areas*.

1:20 Phil Ashton, UIC; Ralph Cintron, UIC; Glenda Garelli*, UIC, *The migration of remittances to world commodities: Financial packaging and marketing strategies of a transnational product*.

1:40 Emilio Martinez De Velasco Aguirre, PhD Candidate*, Department of City and Regional Planning, University of California, Berkeley, *Global Business Accelerators: Unlocking the geographical paradox of global entrepreneurship*.

2:00 Robert B. South*, University of Cincinnati, *Mexico's Transitioning Export-Oriented Manufactures*.

THURSDAY, APRIL 14 • 12:40 PM - 2:20 PM • 3400**3452. The Political Economy of the Shadow State I (Sponsored by Urban Geography Specialty Group)**

Room: Jefferson - Sheraton Hotel, Union Tower, Fourth Floor
(Paper Session)

ORGANIZER(S): James DeFilippis, Rutgers University; Daniel Trudeau, Macalester College

CHAIR(S): Daniel Trudeau, Macalester College

12:40 Peter Hossler*, University of Georgia, *"Margins Before Mission": Voluntary Sector(s) and Non-profits as Sites of Shadow Capital.*

1:00 Philip Ashton*, University of Illinois-Chicago; James DeFilippis, Rutgers University, *"Now Where I'll Find Comfort, God Knows, 'Cause You Left Me Just When I Needed You Most": Foundations, Business Cycles and the Remaking of the American Welfare State.*

1:20 Christopher P Riley*, Ohio State University - Geography, *Localizing the Shadow State and Its Differentiated Impacts: Lessons from Refugee Resettlement in Ohio and Educational Policy in North Carolina.*

1:40 Pascale Joassart-Marcelli*, San Diego State University, *Nonprofits and the Economic Integration of Recent Immigrant Women in San Diego.*

2:00 Robert P. Fairbanks II*, University of Chicago, *On theory and method: Critical ethnographic approaches to regulatory restructure in the shadow welfare state.*

3456. Geographic Education

Room: Seneca - Sheraton Hotel, Union Tower, Fourth Floor
(Interactive Short Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Augustine Avwunudiogba, California State University Stanislaus

12:40 Linda Wang*, University Of South Carolina Aiken, *A Lone Geographer's Quest for Teaching Excellence.*

12:45 Jeff Clark, Associate Professor*, Lawrence University; Sue Swanson, Associate Professor, Beloit College, *The Outdoor Classroom: How useful is digital field technology in a standard 3-hr lab course?*

12:50 Michael Church, Fulbright Foundation; Sarah J Halvorson, The University of Montana; Steven Levine, Maureen and Mike Mansfield Center; Jeffrey A. Gritzner, The University of Montana; Richard Carr*, University of Montana, *Xinjiang Geography Curriculum.*

12:55 Terry A. Slocum*, University Of Kansas; Stephen L. Egbert, University of Kansas; Dave McDermott, Haskell Indian Nations University; Travis M. White, University of Kansas, *Developing and Evaluating Three-dimensional Instructional Material for Introductory Physical Geography Classes.*

1:00 Kimberley B Naqvi*, Thompson Rivers University, *The Potential of Multidisciplinary Approaches to Analysing and Describing Place.*

1:05 Corrie Colvin Williams, M.A.G., Doctoral Student*, University of Colorado Denver, *Building sustainable communities from the ground up: A review of the links between place-based education and environmental behaviors.*

1:10 Ashley Clark*, UC Davis, *Connecting Social Movements and Classrooms: Community Development Perspectives on Environmental Justice Praxis and Pedagogy.*

1:15 Jennifer Helzer, PhD, California State University Stanislaus; Augustine Avwunudiogba*, California State University Stanislaus, *Expanding Geospatial Education to the Underserved: The CSUS-Community Geospatial Education Initiative.*

3458. Landscapes and spaces of renewal: retreat, recreation, pilgrimage I. (Sponsored by Landscape Specialty Group, Geography of Religions and Belief Systems Specialty Group)

Room: University - Sheraton Hotel, Union Tower, Fourth Floor
(Paper Session)

ORGANIZER(S): Avril Maddrell; Veronica Della Dora, University of Bristol

CHAIR(S): Avril Maddrell

12:40 Avril Maddrell*, University of the West of England, UK, *Tapping the spiritual landscape: performing pilgrimage walks to the keeills on the Isle of Man.*

1:00 Veronica Della Dora*, University of Bristol, *Meeting half way: landscape and the pilgrimage-heritage-tourism nexus in Meteora, Greece.*

1:20 Alessandro Scafi*, The Warburg Institute, University of London; Alessandro Scafi, The Warburg Institute, University of London, *Defining Subiaco: Tourists, Humanists and Pilgrims in Search of Benedict's Cave.*

1:40 Ruben-Camilo Lois-Gonzalez*, IDEGA-USC; Jose Somoza Medina, University of León (Spain); Maria José Piñeira Mantiñán, IDEGA; Xosé Manuel Santos Solla, IDEGA, *The Camino de Santiago today: Tourists and Business, pilgrims and human emotions.*

2:00 David Conradson*, University of Canterbury, *Inhabiting the Spaces of Post-Institutional Spirituality: Places of Retreat in Contemporary Britain.*

3459. Middle East: Urban Geography

Room: Virginia - Sheraton Hotel, Union Tower, Fourth Floor
(Paper Session)

ORGANIZER(S): Khaula Alkaabi

CHAIR(S): Saif Alkaabi

12:40 Benjamin Smith*, Florida International University, *The Fantasy of a Post-Colonial Regional Economy: The Case of the Gulf Cooperation Council.*

1:00 Mohammed A Algabbani, Professor*, King Saud University, *Changes in the Spatial Distribution of Saudi Arabia's Population: Trends and Problems.*

1:20 Nuri Yavan*, Ankara University Department of Geography, *The Intra-Urban Determinants of Foreign Direct Investment in the City of Ankara, Turkey.*

1:40 Vahid Riahi*, Tarbiat Moallem University, *Place-population status analysis for village-cities in Iran (Alborz province).*

2:00 Christopher Angel*, University of Arkansas, *Umm Sayhoun: evolution and morphology of a Bedouin town above Petra, Jordan.*

3461. Visualizing Human-Environment Interactions (Sponsored by Cartography Specialty Group)

Room: Ballard - Sheraton Hotel, Pike Tower, Third Floor
(Paper Session)

ORGANIZER(S): Ted Christopher Eckmann, Bowling Green State University

CHAIR(S): Ted Christopher Eckmann, Bowling Green State University

12:40 Ingrid Luffman*, East Tennessee State University and The University of Tennessee; L. Rand Carpenter, Tennessee Department of Health; Judy Manners, Tennessee Department of Health, *Application of Spatial Analysis to Assess the Correlation of Certain Potentially Waterborne Diseases and Environmental Factors in Northeast Tennessee.*

1:00 Jessica Thompson*, Ball State University, *The relationship of agricultural systems, soil erosion, and stream sedimentation: A case study of the Salamonie watershed in NE Indiana.*

1:20 Laura Giboo*, Ball State University, *The Urban Heat Island Pilot Project: A Look into Chicago's Progress.*

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- 1:40** David Massey*, The Ohio State University; Ola Ahlqvist, The Ohio State University, *Integrating GIS and Massive Multiplayer Online Gaming to explore Human - Environmental Interaction and Culture Change in Archaeological Environments.*
- 3465. China: Analyzing Urban Change with GIS & Remote Sensing (Sponsored by China Specialty Group)**
Room: *Greenwood - Sheraton Hotel, Union Tower, Third Floor*
(Paper Session)
ORGANIZER(S): Piper Gaubatz, University Of Massachusetts
CHAIR(S): Danlin Yu, Montclair State University
12:40 Jian Lin, Peking University; Shiyi Liu*, Peking University; Jing Wen, Peking University, *Research on the Spatial Pattern and Effective Factors of the Land Development Density in Rapidly Urbanizing Region - A Case Study of Suburban Beijing, China.*
1:00 Jian Lin, Peking University; Jing Wen*, Peking University; Shiyi Liu, Peking University, *Research on the Spatial Pattern and Dynamics of the Urban Expansion in the Metropolitan Fringe - A Case Study of Tongzhou district, Beijing, China.*
1:20 Danlin Yu*, Montclair State University, *Exploring spatiotemporally varying regressed relationships: the geographically weighted panel regression analysis.*
1:40 Wenliang Li*, Department of Geography University of Wisconsin-Milwaukee, *Dynamic simulation of land use change in Hadaqi industrial corridor, China.*
- 3466. Critical geographies of post-communist cities 3: Legacies and current trajectories (Sponsored by Russian, Central Eurasian, and East European Specialty Group)**
Room: *Issaquah A - Sheraton Hotel, Union Tower, Third Floor*
(Paper Session)
ORGANIZER(S): Roman Matousek, Charles University in Prague; Jessica K. Graybill, Colgate University
CHAIR(S): Roman Matousek, Charles University in Prague
Panelists: Zoltan Kovacs, University of Szeged, Department of Economic and Social Geography; Ludek Sykora, Charles University in Prague; Megan Dixon, College of Idaho; Craig Young, Manchester Metropolitan University; Dmitrii Sidorov, CSULB; Elena Trubina
- 3467. Land Use in the United States**
Room: *Issaquah B - Sheraton Hotel, Union Tower, Third Floor*
(Paper Session)
ORGANIZER(S): Program Committee
CHAIR(S): Stanley Mubako
12:40 Kate Skaggs*, College of Charleston, *Implications of Emerging Neoliberal Policies on Conservation Governance in the SC Lowcountry.*
1:00 Nina E Roberts*, Northeastern Illinois University, *Land Use Change in Northeastern Illinois: Losing Agricultural, Open, and Vacant Lands at the Turn of the 21st Century.*
1:20 Kenneth M. Sylvester, Ph.D.*, Institute for Social Research, University of Michigan; Daniel G. Brown, Ph.D., SNRE, University of Michigan; Glenn Deane, Ph.D., Sociology, State University of New York, Albany; Rachel Kornak, SNRE, University of Michigan, *Land Transitions in the American Plains: Multilevel Modeling and the Drivers of Change in Native Grasslands.*
1:40 Stanley Mubako*, Southern Illinois University Carbondale; Christopher Lant, Southern Illinois University Carbondale, *Virtual Water Trade and Water Footprint of U.S. States.*
- 3468. 'New' gendered and sexual politics for 'new' equalities landscapes? Session 3 (Sponsored by Sexuality and Space Specialty Group)**
Room: *Kirkland - Sheraton Hotel, Union Tower, Third Floor*
(Paper Session)
ORGANIZER(S): Catherine Jean Nash; Kath Browne, University of Brighton
CHAIR(S): Natalie Oswin, McGill University
12:40 Cindy Holmes*, University of British Columbia, *Troubling normalcy: Examining "healthy relationships" discourses in lesbian domestic violence prevention.*
1:00 LaToya Eaves, Doctoral Student*, Florida International University, *Finding Place in Cyberspace - Rurality, Social Networking, and Black Queer Women.*
1:20 Andrew Gorman-Murray*, University of Wollongong, *Relational masculinities and 'new' equalities landscapes in Sydney, Australia.*
1:40 Michael Frisch, PhD*, University of Missouri, Kansas City, *Documenting Queer Places: What is the Opposite of Heteronormative?.*
- 3470. The Services Economy: An Assessment. Papers Honoring the Contributions of Professor William Beyers**
Room: *Medina - Sheraton Hotel, Union Tower, Third Floor*
(Paper Session)
ORGANIZER(S): Brian P. Holly, U.S. Census Bureau
CHAIR(S): Brian P. Holly, U.S. Census Bureau
12:40 Peter W. Daniels*, University of Birmingham, *1985 and all that: The Role of Producer Services in Regional Economic Development Revisited.*
1:00 Kevin O'Connor*, Melbourne University; Brian Holly, Ph.D, U.S Census Bureau; Audrey Clark, Phd, US Department of Commerce, *Re-thinking IT, E-commerce and Producer Service Location:.*
1:20 Peter A. Wood*, University College London, *Service research and the Seattle paradigm: A Transatlantic perspective.*
1:40 Patrik Ström*, University of Gothenburg, *The Japanese service industry - competitiveness and internationalization.*
2:00 Thomas A. Hutton*, University of British Columbia, *Services, Industrial Restructuring, and Urban Transformation: a Retrospective.*
- 3472. Urban Development and Political Economy in China: Post-Transition Theory and Beyond (Sponsored by China Specialty Group)**
Room: *Metropolitan Ballroom B - Sheraton Hotel, Third Floor*
(Paper Session)
ORGANIZER(S): Carolyn Cartier, University of Technology, Sydney; George Lin, University of Hong Kong
CHAIR(S): George Lin, University of Hong Kong
12:40 Michael Webber*, The University of Melbourne, *Changing class configurations in China during rural industrialisation.*
1:00 Weidong Liu*, Chinese Academy of Sciences, *The Impacts of the 2008 Global Economic Crisis on Regional Development in China.*
1:20 Canfei He*, Peking University; Fenghua Pan, Peking University, *Decentralization and Urban Environment in China.*
1:40 George C.S. Lin, Prof.*, University of Hong Kong, *Urban Land Development in China's Metropolises: A Preliminary Enquiry.*
2:00 Carolyn Cartier*, University of Technology, Sydney, *State Power in Practice: Urban Development in China and the Spatial Administrative Hierarchy.*

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3473. **Geography of Wine: Pacific Northwest Wine Regions (Sponsored by Geography of Wine Specialty Group)**

Room: *Queen Anne - Sheraton Hotel, Union Tower, Third Floor* (Paper Session)

ORGANIZER(S): Gregory V. Jones, Southern Oregon University

CHAIR(S): Gregory V. Jones, Southern Oregon University

12:40 David E. Wilkins*, Boise State University; Virginia S. Gillerman, Idaho Geological Survey; Krista Shellie, USDA-ARS Horticultural Crops Research Laboratory; Ron Bitner, Bitner Vineyards; Gregory V. Jones, Southern Oregon University, *Physiographic Factors Defining the Snake River Valley Awa; Beyond "Vin de Idaho"*.

1:00 Ian-Huei Yau*, Washington State University; Joan R Davenport, Washington State University, *Developing a Grape Site Selection GIS for the Inland Pacific Northwest*.

1:20 Kevin R. Pogue, PhD*, Whitman College, *An Alternative Terroir for Aromatic White Wines in the Columbia Basin*.

1:40 Erica Pitcavage*, Whitman College; Kevin Pogue, PhD, Whitman College, *Variations in soil chemistry of premier vineyards of the Columbia Basin, Washington: implications for terroir.*

2:00 Kathryn Nora Barnard*, Portland State University; Scott F. Burns, Portland State University, *The effect of the Missoula Floods on Vineyard Soils in the Pacific Northwest*.

3474. **Food and Alterity in a Diverse Economy: Exploring a Politics of Possibility (1) (Sponsored by Cultural and Political Ecology Specialty Group, Geographic Perspectives on Women Specialty Group, Economic Geography Specialty Group)**

Room: *Ravenna - Sheraton Hotel, Union Tower, Third Floor* (Paper Session)

ORGANIZER(S): Edmund Harris, Clark University; Eric Sarmiento

CHAIR(S): Edmund Harris, Clark University

12:40 Bruce Pietrykowski*, University of Michigan-Dearborn, *Plots of Resistance or Fields of Domination? Detroit's Alternative Food Economies*.

1:00 Adeline Tay*, University of Melbourne, *An alterity that does not speak its name: a case study from the Napa Valley*.

1:20 Marina Chang*, UCL, *Constructing new spaces for food and agriculture through university-community engagement: a case study of Food Junctions - the festival where nature meets culture*.

Discussant(s): Kevin St. Martin, Rutgers University

3476. **Land Use / Land Cover Change I (Sponsored by Geographic Information Science and Systems Specialty Group, Space-Time Symposium, Human Dimensions of Global Change Specialty Group, Spatial Analysis and Modeling Specialty Group)**

Room: *Aspen Room - Sheraton Hotel, Second Floor* (Paper Session)

ORGANIZER(S): Yujia Zhang, Clark University; Jitka Vinduskova

CHAIR(S): Robert Gilmore Pontius, Clark University

12:40 Desserae Shepston*, Texas State University-San Marcos, *The Influence of Tenure and Forest Management Policies in Forest Cover Change in the Coastal Range Forests of the Pacific Northwest, USA, and British Columbia, Canada, 1984-2009*.

1:00 Kimberly M Carlson*, Yale University; Lisa M Curran, PhD, Stanford University, *Effects of oil palm plantation expansion on land cover in Kalimantan, Indonesia: Historical change and future scenarios*.

1:20 Robert Gilmore Pontius*, Clark University; Benoit Parmentier, Clark University, *Interpretation of the Relative Operating Characteristic (ROC) to measure the accuracy of land change simulation*.

1:40 Daniel M Runfola*, Clark University; Robert Gilmore Pontius, Jr., Clark University, *Temporal Stability of Land Use / Cover Change*.

2:00 Safaa Z Aldwaik*, Clark University; Robert Gilmore Pontius Jr., Clark University, *Automating Category Aggregation to Focus on Important Land Transitions Over Time*.

3477. **The Space-time approach to studying individuals' lifestyle and quality of life (Sponsored by Space-Time Symposium)**

Room: *Cedar Room - Sheraton Hotel, Second Floor* (Paper Session)

ORGANIZER(S): Donggen Wang, Hong Kong Baptist University; Mei-Po Kwan, Ohio State University

CHAIR(S): Mei-Po Kwan, Ohio State University

12:40 YANWEI CHAI*, College of Urban and Environmental Sciences, Peking University; Yanwei Chai, College of Urban and Environmental Sciences, Peking University, *Rethinking Suburbanization and Low-Carbon Urban Spatial Organization in Chinese City: From Individual Space-Time Activity Perspective*.

1:00 De Wang*, Tongji University; Zun Xu, Tongji University; Wei Zhu, Tongji University, *The Evolution of the Shopping Travel Behavior of Residents in Shanghai Suburban Areas in the Context of Suburbanization*.

1:20 Jing Ma*, Department of Urban and Economic Geography, Peking University; Zhilin Liu, School of Public Policy and Management, Tsinghua University; Yanwei Chai, Department of Urban and Economic Geography, Peking University, *Neighborhood-Scale Urban Form, Travel Behavior, and CO2 Emission in Beijing: A Structural Equation Model Analysis*.

1:40 Xiaolu Gao*, Institute of Geographic Sciences and Natural Resources Research, Chinese Academy of Sciences, *Incentives of Environmental Design and Management in Urban Neighborhoods*.

2:00 Donggen Wang*, HONG KONG BAPTIST UNIVERSITY; Fei Li, Department of Geography, Hong Kong Baptist University, *Are People Happier Spending Time on Physical Activities or Virtual Activities? Exploring the Subjective Well-Being of Individuals' Daily Time-Space Experiences*.

3478. **CyberGIS Research Agenda (Sponsored by Geographic Information Science and Systems Specialty Group, Space-Time Symposium, Cyberinfrastructure Specialty Group, Spatial Analysis and Modeling Specialty Group)**

Room: *Douglas Room - Sheraton Hotel, Second Floor* (Panel Session)

ORGANIZER(S): Shaowen Wang, University of Illinois at Urbana-Champaign; May Yuan, Univ of Oklahoma

CHAIR(S): Shaowen Wang, University of Illinois at Urbana-Champaign

Panelists: Luc Anselin, Arizona State University; Ningchuan Xiao, The Ohio State University; Sean Ahearn, Hunter College - City University; Budhendra Ghaduri, Oak Ridge National Laboratory; Michael Goodchild, University of California - Santa Barbara

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3482. Critical perspectives on value theory I: the labor theory of value, global production, and the value theory of labor (Sponsored by Socialist and Critical Geography Specialty Group)

Room: Grand Ballroom D - Sheraton Hotel, Second Floor (Paper Session)

ORGANIZER(S): Jim Glassman, University Of British Columbia; Joel D Wainwright, The Ohio State University

CHAIR(S): Jim Glassman, University Of British Columbia

12:40 Luke Robert Bergmann*, University of Minnesota, *Peregrinations of value as capitalism globalizes: Theory and measure.*

1:00 Rachel Silvey*, U. of Toronto, *Trading in justice: Migrant workers' rights and the problem of value.*

1:20 Marion Werner*, University at Buffalo, SUNY, *Beyond Upgrading: Value and industrial restructuring in global production networks.*

1:40 Vinay K. Gidwani, Associate Professor*, University of Minnesota, *Waste, Value, Commons.*

2:00 Geoff Mann*, Simon Fraser University, *After the value theory of labour.*

3483. Geographies of 'successful' aging 1

Room: Juniper Room - Sheraton Hotel, Second Floor (Paper Session)
ORGANIZER(S): Irene Hardill, Northumbria University; Susan Lucas, Temple University

CHAIR(S): Janice Monk, University of Arizona

Introducer: Janice Monk

12:45 Mark Skinner, PhD, Trent University; Greg Halseth, PhD, University of Northern British Columbia; Neil Hanlon, PhD*, University of Northern British Columbia; Alun Joseph, PhD, University of Guelph, *The transformative role of voluntarism in aging resource communities: integrating people, place and community.*

1:05 Sharmistha Bagchi-Sen*, SUNY-Buffalo; Rajarshi Chakraborty, SUNY-Buffalo; H.R. Rao, SUNY-Buffalo; Shambhu Upadhyaya, SUNY-Buffalo, *Aging and the Internet: usage, perception, and behavior.*

1:25 Irene Hardill*, Northumbria University, *Sustaining digital engagement amongst older adults: implications for social exclusion.*

1:45 Wendy Young, PhD*, Memorial University; Veerabhadra Gadag, Memorial University, Memorial University; George Klima, PhD, Memorial University, *Sustaining Information and Communication Technology Use in Seniors.*

Discussant(s): Tim Schwanen, University of Oxford

3484. Spatialities and Practices Of Governance (1) (Sponsored by Political Geography Specialty Group)

Room: Madrona Room - Sheraton Hotel, Second Floor (Paper Session)
ORGANIZER(S): Martin Jones, IGES, Aberystwyth University; Katherine Phillips, Aberystwyth University

CHAIR(S): Katherine Phillips, Aberystwyth University

12:40 Martin D Jones, MA (hons)*, IGES, Aberystwyth University, *Governing empowerment.*

1:00 Gavin Lloyd Griffiths*, University of St. Andrews & University of Edinburgh, *Positive Spaces: Radical HIV public health initiatives. A UK perspective.*

1:20 Charlotte Lemanski, Dr*, University College London; Stéphanie Tawa Lama-Rewal, Dr, CNRS-EHESS, *The "missing middle" of citizenship?: Participatory practices in Delhi's unauthorized colonies.*

1:40 Kris Olds, Professor*, University Of Wisconsin-Madison; Susan Lee Robertson, Professor*, University of Bristol, *Explaining the Globalisation of University World Rankings: Projects, Programmes and Social Transformations.*

2:00 Phil Johnstone*, university of exeter, *Governing 'the renaissance': unravelling the spatial and democratic contradictions of 'sustainable' nuclear power policy in the UK.*

3486. Modeling Population Dynamics (Sponsored by Space-Time Symposium)

Room: Willow A - Sheraton Hotel, Second Floor (Paper Session)
ORGANIZER(S): Space-Time Symposium Organizing Committee

CHAIR(S): Samantha Cockings, University of Southampton

12:40 James Cheshire*, University College London; Paul Longley, University College London, *The Use of Surnames and Spatial Analysis: Utilising a Novel Dataset to Map Population Change.*

1:00 Christopher Badurek*, Appalachian State University, *GIS Methods to Enhance Spatial and Temporal Reasoning about Exurbanization Processes.*

1:20 David Mcilhatton*, University of Ulster, *Modelling the effect of population change on residential development in Northern Ireland.*

1:40 Samantha Cockings*, University of Southampton; David Martin, University of Southampton; Samuel Leung, University of Southampton, *Right Time, Right Place? Space-Time Specific Population Modelling.*

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- 3503. Beyond the Ivory Tower (A): Preparing Geographers for Private Sector Careers (Sponsored by Private/Public Affinity Group, Enhancing Departments and Graduate Education project (EDGE))**
Room: 603 - Washington State Convention Center, Level 6
(Paper Session)
ORGANIZER(S): Michael N. Solem, Association of American Geographers
CHAIR(S): Beth Schlemper, University of Toledo
Introducer: Michael N. Solem
Panelists: Lia Shimada, University College London; Niem Tu Huynh, Texas State University - San Marcos; Amy J. Blatt, Quest Diagnostics; Joseph J. Kerski, Esri; Michael Ziolkowski, Ingram Micro; Brent Hall, University of Otago; Jeremy Tasch, Towson University
- 3504. Climate Adaptation, Landscapes, and Institutions I (Sponsored by Cultural and Political Ecology Specialty Group, Human Dimensions of Global Change Specialty Group, Development Geographies Specialty Group)**
Room: 604 - Washington State Convention Center, Level 6
(Paper Session)
ORGANIZER(S): Ashwini Chhatre, University of Illinois at Urbana-Champaign; Arun Agrawal, University of Michigan
CHAIR(S): Ashwini Chhatre, University of Illinois at Urbana-Champaign
2:40 Arun - Agrawal, Professor*, University of Michigan; Ashwini Chhatre, Professor, University of Illinois, Urbana-Champaign, *Climate Adaptation, Landscapes, and Institutions: A framework for comparative analysis.*
2:55 Pamela D. McElwee*, Arizona State University, *Living with Floods: How Landscapes and Institutions Affect Household Adaptation in the Red River Delta of Vietnam.*
3:10 Kirsten Lackstrom, Ph.D. Candidate, University of South Carolina*, Department of Geography, University of South Carolina, *Drought Adaptation and Institutions in the Carolinas.*
3:25 Christopher M. Annear*, Monmouth College, *Resilience As Adaptation: Community Responses to the Natural Variability of the Mweru-Luapula Fishery, Central Africa.*
3:40 Helene Amundsen*, CICERO Centre for International Climate and Environmental Research -Oslo, *Adapting to combined challenges in two coastal communities in northern Norway.*
- 3507. Social Movement Scholarship: Perilous Positionings between Academia and Activism 2 (Sponsored by Political Geography Specialty Group, Socialist and Critical Geography Specialty Group)**
Room: 607 - Washington State Convention Center, Level 6
(Paper Session)
ORGANIZER(S): Byron A. Miller, University of Calgary
CHAIR(S): Walter J. Nicholls, Sociology, University of Amsterdam
2:40 Jules Boykoff*, Pacific University, *"Between a Lecture Hall and a Convergence Space: Riding the Line between Academia and Activism".*
3:00 Andre Pusey*, University of Leeds; Leon Sealey-Huggins*, University of Leeds; Bertie Russell, University of Leeds; Thomas Gillespie, University of Leeds, *The 'Activist-Academic': A False Dilemma.*
3:20 Peter North*, University of Liverpool, *Impact, Knowledge Exchange and Activism: exploring low carbon futures.*
- 3508. Population Specialty Group Plenary (Sponsored by Population Specialty Group)**
Room: 608 - Washington State Convention Center, Level 6
(Paper Session)
ORGANIZER(S): Jamie Goodwin-White, Oxford University
CHAIR(S): Jamie Goodwin-White, Oxford University
- 3511. Spatial Epidemiology 4 - Infectious Disease (Sponsored by Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group, Health and Medical Geography Specialty Group)**
Room: 611 - Washington State Convention Center, Level 6
(Paper Session)
ORGANIZER(S): Eric M. Delmelle, UNC-Charlotte
CHAIR(S): John DeGroot, University of Northern Iowa
2:40 Melinda Kathleen Butterworth*, University of Arizona; Miriam Gay-Antaki, University of Arizona, *Climate, social vulnerability, and mosquito-borne disease in the southwest US.*
3:00 Cory Morin*, University of Arizona; Andrew Comrie, University of Arizona, *Modeling Climate Driven Changes in a West Nile Virus Vector's Population Dynamics across the Southern United States.*
3:20 John DeGroot*, University of Northern Iowa; Ramanathan Sugumaran, University of Northern Iowa, *Regional analysis of human WNV incidence in relation to landscape, demographic, and climatic patterns.*
3:40 Christopher Uejio, PhD*, National Center for Atmospheric Research/Centers for Disease Control & Prevention; Jonathan Patz, MD, MPH, Nelson Institute Center for Sustainability and the Global Environment, *Drinking Water Contamination by Rainfall in Wisconsin and Resulting Health Problems.*
4:00 Mark R Welford, PhD*, Georgia Southern University, *Revisiting the Medieval Black Death.*
- 3512. Water governance and the politics of scale: A critical examination of water governance in a multi-scalar environment - Part II (Sponsored by Political Geography Specialty Group, Human Dimensions of Global Change Specialty Group, Water Resources Specialty Group)**
Room: 612 - Washington State Convention Center, Level 6
(Paper Session)
ORGANIZER(S): Emma S. Norman, University of British Columbia; Christina Cook, University of British Columbia
CHAIR(S): Alice Cohen, University of British Columbia
2:40 Morgan Apicella*, University of Arizona, *Uphill Flow From the Downspout: Rainwater Harvesting Governance in the Western U.S.*
3:00 Eric P Perramond*, Colorado College, *Scaling water governance with adjudication in New Mexico.*
3:20 Wendy Elizabeth Jepson*, Texas A&M University, *Claiming Space for Water in the Colonias of South Texas.*
3:40 Christina Cook*, University of British Columbia, *Exploring Federal Fragmentation in Canadian Water Governance.*
- 3513. Panel Session on Geospatial Science and Technology Networks of Expertise in Africa**
Room: 613 - Washington State Convention Center, Level 6
(Paper Session)
ORGANIZER(S): Candida Mannozi, Association of American Geographers; Paul Bartel, U.S. Department of State
CHAIR(S): Paul Bartel, U.S. Department of State
2:40 Joshua Comenetz, U.S. Census Bureau

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Panelists: Sivanesen Govender, EIS-AFRICA; Ashbindu Singh, United Nations Environment Programme (UNEP); Glenn Hyman, CIAT; France Lamy, Google, Inc; Fernando Echavarría, U.S. Department of State

3514. Immigrants, Labor Markets, and the Recent Recession (Sponsored by Economic Geography Specialty Group)

Room: 614 - Washington State Convention Center, Level 6
(Paper Session)

ORGANIZER(S): Richard A. Wright, Dartmouth College
CHAIR(S): Richard A. Wright, Dartmouth College

2:40 Nik Theodore*, University of Illinois at Chicago; Jamie Peck, University of British Columbia, *Off the books: Immigrant day laborers in the jobless recovery.*

3:00 Nichola Lowe*, University of North Carolina-Chapel Hill; Natasha Iskander, New York University, *Constructing Institutions: How Immigrants are Reshaping Labor Markets in the United States.*

3:20 Mark Ellis*, University Of Washington, *US- and Foreign-born Migration Responses to Regional Economic Stress in the Recent Recession.*

3:40 Richard A. Wright*, Dartmouth College, *Immigrants, The Native Born, and the Employment Geography of the US Recession.*

4:00 Michael Eric Samers*, University Of Kentucky, *The recession has lasted 35 years: 'young ethnics' and the struggle for work in urban France.*

3515. Building Community through Location; Intersections Matter. (Sponsored by Disability Specialty Group)

Room: 615 - Washington State Convention Center, Level 6
(Paper Session)

ORGANIZER(S): Leonor Vanik, UIC-Chicago; Vandana Wadhwa, Boston University

CHAIR(S): Leonor Vanik, UIC-Chicago

2:40 Eleazar Vazquez*, UIC, *Casa Maravilla, Creating Community in Affordable Senior Housing.*

3:00 Leonor Vanik*, UIC-Chicago, *Liveable, Marginalized and an Afterthought: you build it for me but it does fit my needs.*

3:20 Kendy Olaguez*, UIC, *Mapping medical accessibility for Latinos - it's not about location.*

Introducer: Michael L Dorn

Discussant(s): Carla Keirns, Stony Brook University

3516. Socio-Cultural Dimensions of Climate Change 4 (Sponsored by Cultural and Political Ecology Specialty Group, Human Dimensions of Global Change Specialty Group, Ethics, Justice, and Human Rights Specialty Group)

Room: 616 - Washington State Convention Center, Level 6
(Paper Session)

ORGANIZER(S): Barbara Walker, UC Santa Barbara; David Lopez-Carr, UC Santa Barbara

CHAIR(S): Cheryl Chen, UC Santa Barbara

2:40 Kimberly Klockow*, University of Oklahoma Department of Geography; Hank Jenkins-Smith, Ph.D., University of Oklahoma Department of Political Science; Kevin Goebbert, Ph.D., Valparaiso University Department of Geography and Meteorology; Matt Nowlin, University of Oklahoma Department of Political Science, *Seeing the world through a political lens: The connection between weather and climate change perceptions and beliefs.*

3:00 Barbara L.E. Walker, Ph.D.*, UC Santa Barbara, *Theories of Socio-Cultural Risk Perception in Historical and Economic Context in French Polynesia.*

3:20 Felipe Murtinho*, University California Santa Barbara; Christina Tague, University California Santa Barbara; David Lopez-Carr, University California Santa

Barbara, *Water scarcity in the Andes: contrasting climate, land use and socioeconomic changes to local perceptions.*

3:40 Annette Watson*, College of Charleston, *The Transgressions of the Man on the Moon: Climate Change, Indigenous Expertise, and the Posthumanist Ethics of Place and Space.*

4:00 Shangrila Joshi Wynn*, University of Oregon, *Viewing global climate politics through a lens of environmental justice.*

3517. Interstitial and Subversive Food Spaces IV: Food and Resource Access (Sponsored by Cultural and Political Ecology Specialty Group, Rural Geography Specialty Group)

Room: 617 - Washington State Convention Center, Level 6
(Paper Session)

ORGANIZER(S): Ryan Edward Galt, University of California, Davis; Patrick T. Hurley, Ursinus College

CHAIR(S): Leslie Gray, Santa Clara University

2:40 Chris S Duvall*, University of New Mexico, *Patterns of produce availability indicate challenges and opportunities for alternative food systems in U.S. cities.*

3:00 Amanda Caneff*, Macalester College, *Lettuce, Land Tenure, and Livelihoods: Urban Gardening in Bamako, Mali.*

3:20 Korin Tangtrakul*, Temple University, *Food Accessibility and Food Choice: A Comparative Analysis of Food Choice in Developed and Developing Populations.*

3:40 Roseann A Cohen, PhD*, University of California, Santa Cruz, *Land is never tranquil: The politics of land claims, ethnic identity, and agriculture at the urban periphery of Cartagena, Colombia.*

4:00 Jessica Beckett, MS, UC Davis*, Community Development Department, UC Davis, *The Political Ecology of Land Access for Young and Beginning Farmers on the Central Coast of California.*

3518. Geographies of Media IX: Author Meets Critics - Dittmer's Popular Culture, Geopolitics & Identity (Sponsored by Political Geography Specialty Group, Communication Geography Specialty Group)

Room: 618 - Washington State Convention Center, Level 6
(Panel Session)

ORGANIZER(S): Christina E. Dando, University of Nebraska-Omaha; James Craine, California State University Northridge

CHAIR(S): Christina E. Dando, University of Nebraska-Omaha

Discussant(s): Jason Dittmer, University College London

Panelists: Giorgio Hadi Curti, San Diego State University;

Katrinka C. Somdahl-Sands, Rowan University;

Alasdair Pinkerton, Royal Holloway, University of

London; Peta Mitchell, University of Queensland

3519. Panel discussion of Matthew Hannah's (2010) "Dark Territory in the Information Age: Learning from the West German Census Controversies of the 1980s" (Sponsored by Political Geography Specialty Group, Cultural Geography Specialty Group, European Specialty Group)

Room: 619 - Washington State Convention Center, Level 6
(Panel Session)

ORGANIZER(S): Stephen Legg, University of Nottingham

CHAIR(S): Stephen Legg, University of Nottingham

Discussant(s): Matthew G. Hannah, Aberystwyth University

Panelists: Patricia Ehrkamp, University of Kentucky; Jeremy

Crampton, Georgia State University; Neil Smith, City

University Of New York

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Room: 620 - Washington State Convention Center, Level 6
(Paper Session)

ORGANIZER(S): Stavros T. Constantinou, Ohio State University
CHAIR(S): Stavros T. Constantinou, Ohio State University
Discussant(s): Carlos Teixeira, University of British Columbia Okanagan; Heather Anne Smith, University of North Carolina at Charlotte; Lawrence E. Estaville, Texas State University

3521. Climatology

Room: 6ABC - Washington State Convention Center, Level 6
(Poster Session)

ORGANIZER(S): Program Committee

Jennifer Becker*, Department of Geography & Anthropology, CSU Pomona; Kristine Hartney, Ph.D., Department of Biological Sciences, CSU Pomona; Sara Garver, Ph.D., Department of Geography & Anthropology, CSU Pomona; Kyle Myrick, Department of Environmental Studies, CSU Fullerton, *Discerning Patterns and Consequences of Gender Expression in Desert Holly (Atriplex hymenelytra)*.

J Anthony Abbott, Ph.D.*, Stetson University; Kiryssa Kasprzyk, Indiana University, *Can State-level Policies Fill the National Climate Policy Vacuum? A Case Study of the American College & University Presidents' Climate Commitment*.

Deirdre Smith*, *Climate Change and Subsistence Agriculture in Developing Nations*.

Gregory Ziolkowski*, California State University, Long Beach, *Glacial Change Since the Little Ice Age, Palisade Glacier, Sierra Nevada, CA.*

Andrew Benjamin*, Kutztown University Student; John D Frye, Department of Geography, Kutztown University, *Inter-annual variability of temperature and precipitation in the northeastern United States due to changes in the ENSO phase*.

Andrea J Coop*, University of Nebraska, Lincoln; Kenneth Hubbard, Ph.D., University of Nebraska, Lincoln; Martha Shulski, Ph.D., University of Nebraska, Lincoln; David Marx, Ph.D., University of Nebraska, Lincoln, *Comparison of Spatial Accuracy of Three Climate Networks in Nebraska*.

Guy King, Ph.D.*, California State University, *Hottest and Coldest Inhabited Places in California*.

Brian Hanson*, University of Delaware; Roger LeB. Hooke, University of Maine, *Effect of Sea Level Lowering on ELA Depression During the LGM*.

Pramithus Khadka*, Southern Illinois University Edwardsville; Mark L Hildebrandt, Southern Illinois University Edwardsville; Stephanie Sharpe, Southern Illinois University Edwardsville, *Statistical Analysis of the Urban Heat Island Effect of Silverton, Colorado*.

Ahmed Salahuddin*, Oregon Climate Change Research Institute, Oregon State University, Corvallis OR 97331; Philip Mote, Oregon Climate Change Research Institute, Oregon State University, Corvallis OR 97331; Myles Allen, Department of Physics, Oxford University, Oxford OX1 3PU, United Kingdom; Richard Jones, Met. Office Hadley Centre for Climate Prediction and Research, RG12 2SY, Bracknell, United Kingdom, *Superensemble Regional Climate Modeling for the western US with climateprediction.net*.

John Frye*, Department of Geography, Kutztown University; Lauren Ford, Department of Geography, Kutztown University; Andrew Benjamin, Department of Geography, Kutztown University; Tate Pyle,

Department of Geography, Kutztown University; Matthew Ripple, Department of Geography, Kutztown University; Barry Lust, Department of Geography, Kutztown University, *Comparison of satellite based soil moisture estimates and in-situ soil moisture measurements in the United States*.

Noriyuki Sato*, California State University, Chico, *Climatic Means and Trends: Linear Transportation Corridors within Climate Divisions of California*.

Lee Campbell*, Western Kentucky University; Kyle Berry, Western Kentucky University; Dustin Jordan, Western Kentucky University; Joshua Durkee, Western Kentucky University; Greg Goodrich, Western Kentucky University; Rezaul Mahmood, Western Kentucky University; Stuart Foster, Western Kentucky University, *Synoptic Analysis of Historic May 2010 Flood*.

Melissa S. Bukovsky, Ph.D.*, NCAR/IMAGe; Linda O. Mearns, Ph.D., NCAR/IMAGe, *Late 20th Century Temperature Trends in the NARCCAP Regional Model Simulations*.

Josh Durkee*, Western Kentucky University; Alan Black, University of Georgia; Josh Gilliland, Western Kentucky University; John Knox, University of Georgia, *A climatology of high-wind observations in the eastern United States during 1951-2009*.

Robert V. Rohli*, Louisiana State University; Luigi Romolo, Louisiana State University; Kevin D Robbins, Louisiana State University, *An Updated Spatial Analysis of Tornado Occurrences in the Southeastern United States*.

Ariana Gonzales*, NASA- DEVELOP Student Program, NASA Ames Research Center; Katherine Pitts, NASA- DEVELOP Student Program, NASA Ames Research Center, *NASA Ames Research Center Climate Change Effects and Adaptation Research: Hind- and Forecasting Flood Risk of NASA Ames Research Center using the BASINS Model*.

Frank LaFone*, West Virginia University; Tim Carr, PhD, West Virginia University; Maneesh Sharma, PhD, West Virginia University; Nick Callaghan, Kansas Geological Survey; Evan Fedorko, West Virginia University; Ken Nelson, Kansas Geological Survey; Asif Iqbal, Kansas Geological Survey, *Geologic Carbon capture and Storage Potential in the United State and Canada*.

Melissa Hart*, University of Hong Kong, *A comparison of typical meteorological year (TMY) data files for different regions of a city*.

William Goedecke*, Department of Geography, San Francisco State University, San Francisco, CA; Andrew Oliphant, Ph.D., Department of Geography, San Francisco State University, San Francisco, CA; Seth Hiatt, Institute for Geographic Science, Department of Geography, San Francisco State University, San Francisco, CA, *Global Cloud and Aerosol Changes and Their Impact on Light Receipt by Terrestrial Ecosystems*.

Alan Castner, Undergraduate Student*, San Francisco State University -Dept. of Geography & Human Environmental Studies; Andrew Oliphant, Ph.D., University of Canterbury, San Francisco State University -Dept. of Geography & Human Environmental Studies; Allison Charland, Graduate Student, San Jose State University -Dept. of Meteorology & Climate Science; Craig Clements, Ph.D., University of Houston, San Jose State University -Dept. of Meteorology & Climate Science, *CSU-MAPS: A collaborative mobile atmospheric profiling system for research and education*.

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- Brian Cox*, Indiana State University, *Urban Heat Island of Indianapolis, and Its Interaction With Thunderstorm Development using GIS Tools.*
- David Young*, Michigan State University; Jeff Andresen, Michigan State University; Ray Miller, Michigan State University; Jim Brown, Michigan State University; Greg Soter, Michigan State University, *Simulating the Impacts of Climate on Hybrid Poplar Growth and Productivity in the Upper Great Lakes Region during Historical and Projected Future Time Frames.*
- Belayet Khan*, Eastern Illinois University, *A Geographer's View of Temporal Patterns of Selected Weather Parameters in Bangladesh.*
- Barry D. Keim*, Louisiana State University; Hal Needham, Louisiana State University, *Storm Surge Return Periods for the U.S. Gulf Coast.*
- Ricardo Nogueira*, University of North Alabama; Barry Keim, Louisiana State University, *Impact of Enso in the Atlantic Tropical Cyclones Rainfall and Forward Movement.*
- Siyuan He*, Department of Geography, University of Cambridge; Keith Richards, Prof., Department of Geography, University of Cambridge; Zhiqiang Zhao, College of Urban and Environmental Sciences, Peking University, *Change in extreme climate indices in Kobresia meadow during 1961 to 2008.*
- Timothy W Hawkins*, Shippensburg University; Katherine L. Smith, Shippensburg University, *Historical and Projected Climate Trends along the Appalachian Trail, United States and the Ramifications for Trail Usage.*
- David M Brommer*, The University of Alabama, *Analyzing Microclimatic Conditions inside Bryant-Denny Stadium.*
- Mitchell Gaines, Graduate Student*, Western Kentucky University; Ronnie Leeper, Researcher, Western Kentucky University; Rezaul Mahmood, Professor, Western Kentucky University, *An Analysis of WRF Physics Parameters for the January 29 and 30th 2008 Ohio Valley Squall line Event.*
- Yapeng Chen*, Key Laboratory of Oasis Ecology and Desert Environment, Xinjiang Institute of Ecology and Geography, Chinese Academy of Sciences; Yaning Chen, Key Laboratory of Oasis Ecology and Desert Environment, Xinjiang Institute of Ecology and Geography, Chinese Academy of Sciences; Weihong Li, Key Laboratory of Oasis Ecology and Desert Environment, Xinjiang Institute of Ecology and Geography, Chinese Academy of Sciences, *The effects of groundwater depth on gas exchange and chlorophyll fluorescence of Populus euphratica in arid region.*
- Claudia K. Walters*, University of Michigan-Dearborn; Julie A. Winkler, Michigan State University; Sharon Zhong, Michigan State University; Jovanka Nikolic, Michigan State University, *A Comparison of Rawinsonde and NARR Wind Observations for the Detection of Low-Level Jets.*
- Landon Hampton, Western Kentucky University; Nathaniel Shearer*, Western Kentucky University; Patrick Sniadowski, Western Kentucky University; Tara Wagoner, Western Kentucky University; Charles Loring, Western Kentucky University, *A comparison of high-wind observations between the historic October 2010 mid-latitude cyclone and previous notable extratropical systems.*
- Kimberly DeBiasse, Arizona State University; Matthew Pace, A; Randall Cerveny*, Arizona State University; Robert Balling, Arizona State University; Andrew Ellis, Arizona State University, *Climatological Isentropic Patterns of Teleconnections and Trends.*
- Lauren Ford*, Department of Geography, Kutztown University; John D. Frye, Department of Geography, Kutztown University, *Correlations between ENSO and NAO on Tornado Activity in the Northern and Southern Great Plains.*
- Megan White*, University of Louisville, *The Urban Heat Island Effect in Louisville, Kentucky.*
- Gillis Stephen*, University of Idaho; John Abatzoglou, Dr., University of Idaho, *Stream Temperature Controls in Kelly Creek, Idaho: An Investigation of Physiographic and Meteorological Factors.*
- Justin Schoof*, Department of Geography and Environmental Resources, SIUC, *Understanding Historical and Projected Changes in Human Heat Stress in the USA.*
- Alexandria Horne*, University of Cincinnati, *Spatial Examination of the Urban Heat Island in the Cincinnati, Ohio Metropolitan Area; December 1, 2008 to August 31, 2010.*

3524. Temperature

Room: 301 - Washington State Convention Center, Level 3

(Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Anita Walz, Marshall University

2:40 Haijing SHI*, The University of New South Wales @ the Australian Defence Force Academy; Brian Lees, University of New South Wales @ the Australian Defence Force Academy; David Paull, The University of New South Wales @ the Australian Defence Force Academy; Linda Broome, NSW Dept of Environment and Climate Change, *Thermal properties of Alpine boulder fields: potential to buffer against extreme temperature change.*

3:00 Jeremy R Jenkins*, University of Idaho; John T Abatzoglou, University of Idaho, *Fine-Scale Temperature in the Complex Topography of Northern Idaho.*

3:20 Anita Walz, Ph.D.*, Marshall University, *Satellite Detection of Temperature Changes Due to Tree Removal in Cities.*

3525. Slovenia - the Shining Star of East Central Europe 20 years after. Nation-state building and its consequences. (Sponsored by Political Geography Specialty Group, European Specialty Group)

Room: 302 - Washington State Convention Center, Level 3

(Panel Session)

ORGANIZER(S): Anton Gosar, Faculty of Humanities Koper, University of Primorska

CHAIR(S): Anton Gosar, Faculty of Humanities Koper, University of Primorska

Introducer: Anton Gosar

Panelists: Toby Applegate, Rutgers, The State University of New Jersey; Julian V. Minghi, University of South Carolina; Lydia M. Pulsipher, University of Tennessee; Bostjan Rogelj, Filozofska Fakulteta; Anton Gosar, Faculty of Humanities Koper, University of Primorska; Irma Potocnik Slavic, University of Ljubljana; Carl Thor Dahlman, Miami University

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- 3526. Dendrochronology X: Dendroclimatology I (Sponsored by Paleoenvironmental Change Specialty Group, Climate Specialty Group, Biogeography Specialty Group)**
Room: 303 - Washington State Convention Center, Level 3
(Paper Session)
ORGANIZER(S): Christopher M. Gentry, Austin Peay State University; Kathryn Hrinkevich, University of Northern British Columbia
CHAIR(S): Kathryn Hrinkevich, University of Northern British Columbia
2:40 Andrew Reid Bell*, Columbia University; Benjamin I. Cook, Columbia University; Kevin J. Anchukaitis, Columbia University; Brendan M. Buckley, Columbia University; Edward R. Cook, Columbia University, *Predicting drought with tree-ring climate reconstructions in Southeast Asia.*
3:00 Geoffrey G.L. Kershaw*, Mount Allison University; Colin P. Laroque, PhD, Mount Allison University, *Spatial regimes of climate/radial-growth relationships in Labrador, Canada: The case of trembling aspen (Populus tremuloides Michx).*
3:20 Colette C.A. Starheim*, University of Victoria; Dan J. Smith, University of Victoria; Terry Prowse, University of Victoria, *Dendrohydroclimatic investigations in the central Coast Mountains, British Columbia, Canada.*
3:40 Bethany Coulthard*, University of Victoria Tree Ring Laboratory; Dan J. Smith, PhD., University of Victoria, *Dendroclimatological investigations in the Tetrahedron watershed, southern British Columbia Coast Mountains, Canada.*
4:00 M. Graham Clark*, Mount Allison Dendrochronology Laboratory, Department of Geography and Environment, Mount Allison University; Peter Nishimura, Mount Allison Dendrochronology Laboratory, Department of Geography and Environment, Mount Allison University; Dean Dumaresq, Department of Geography, Memorial University of Newfoundland and Labrador; Colin P. Laroque P. Laroque, Mount Allison Dendrochronology Laboratory, Department of Geography and Environment, Mount Allison University; Trevor Bell, Department of Geography, Memorial University of Newfoundland and Labrador, *Continental patterns of tree-growth as explained by synoptic forcing over the northern Atlantic and the inferred climatological patterns..*
- 3527. Geography, GIS, and Environmental Sciences at Tribal Colleges, AANAPISI, and Indigenous University Partnerships (Sponsored by Association of American Geographers, AAG Aligned Project, Indigenous Peoples Specialty Group)**
Room: 304 - Washington State Convention Center, Level 3
(Paper Session)
ORGANIZER(S): Patricia Solis, AAG; William Van Lopik, College of Menominee Nation
CHAIR(S): William Van Lopik, College of Menominee Nation
Panelists: Daniel Wildcat, Haskell Indian Nations University; William Van Lopik, College of Menominee Nation; May Toy Lukens, South Seattle Community College; Al Kuslikis, American Indian Higher Education Consortium; Renee P Louis, Hawaii Board on Geographic Names; Ingrid Gardner, Central Washington University
- 3528. Living on the edge: Borders and women's lives (Sponsored by Geographic Perspectives on Women Specialty Group)**
Room: 305 - Washington State Convention Center, Level 3
(Paper Session)
ORGANIZER(S): Ellen R. Hansen, Emporia State University
CHAIR(S): Ellen R. Hansen, Emporia State University
2:40 Ei Phyu Han*, York University, *DisPLACEMENT: Power, gender and transnational acts of Karen refugees from Burma.*
3:00 Lindsey Carte*, University of Texas at Austin, *Central American Immigrant Women's Everyday Encounters with State Power on the Mexico-Guatemala Border.*
3:20 Stephanie Buechler*, University of Arizona, *Women's Negotiation of the Sonora-Arizona Border: Change and Continuity in an Agricultural Community.*
3:40 Ellen R. Hansen, Ph.D.*, Emporia State University, *Security at the border? Women's lives in context.*
Discussant(s): Janice Monk, University of Arizona
- 3529. Current Cryospheric and Related Science in the Alaskan Arctic I (Sponsored by Cryosphere Specialty Group)**
Room: 306 - Washington State Convention Center, Level 3
(Paper Session)
ORGANIZER(S): Jerry Brown; Dmitry A. Streletskiy, George Washington University
CHAIR(S): Dmitry A. Streletskiy, George Washington University
2:40 Dmitry A. Streletskiy*, George Washington University; Jerry Brown, Woods Hole, MA; Gary Clow, United States Geological Survey, Denver, CO; Frederick E Nelson, University of Delaware, Newark, DE; Vladimir E Romanovsky, University of Alaska, Fairbanks, AK; Cathy Seybold, USDA-NRCS, Lincoln, NE; Nikolay I Shiklomanov, George Washington University, Washington, DC; Frank Urban, United States Geological Survey, Denver, CO; Kenji Yoshikawa, University of Alaska, Fairbanks, AK, *Snapshot of permafrost - active layer observations on the North Slope of Alaska.*
3:00 Sharon Tahirkheli*, American Geological Institute, *Locating Publications About the Alaskan Arctic Region: Where and How to Find Them.*
3:20 David M. Cairns*, Texas A&M University; Adam T Naito, Texas A&M University, *Expansion of large shrubs on Alaska's North Slope.*
3:40 Frederick Nelson*, University of Delaware, *History of Geocryological Studies on Alaska's North Slope.*
4:00 Anna E Klene*, University of Montana; Kenji Yoshikawa, University of Alaska - Fairbanks; Dmitry A Streletskiy, George Washington University; Jerry Brown, International Permafrost Association; Frederick E Nelson, University of Delaware; Nikolay I Shiklomanov, George Washington University, *Temperature Regimes in Traditional Iñupiat Ice Cellars in Barrow, Alaska.*
- 3530. Ecological Analysis using Presettlement Land Survey Records (Sponsored by Biogeography Specialty Group)**
Room: 307 - Washington State Convention Center, Level 3
(Paper Session)
ORGANIZER(S): Yi-Chen Wang, National University of Singapore; Barry Joel Kronenfeld, George Mason University
CHAIR(S): Barry Joel Kronenfeld, George Mason University
2:40 Matthew Harper*, University of Alabama; David Shankman, Professor, University of Alabama, *Reconstruction of pre-European settlement bottomland forests in Mississippi using General Land Office surveys.*

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- 2:58** Bruce W. Hoagland, Associate Professor*, University of Oklahoma; Todd D. Fagin*, Okapi Inc., *Use of Historical Data Sources for the Analysis of Vegetation-Environment Relationship.*
- 3:16** Barry Joel Kronenfeld*, George Mason University, *The "Poison Fields" of Fairfax County: Land Surveys and Indians in Colonial Virginia.*
- 3:30** James M. Dyer*, Ohio University; Todd Hutchinson, US Forest Service, Northern Research Station, *Development of a Topographically-based Presettlement Vegetation Map.*
- 3:48** Linda R. Barrett*, University of Akron, *Parcel-Level Forest Cover Changes in Nineteenth Century North-Central Ohio.*
- 4:06** Yi-Chen Wang*, National University of Singapore; Chris P.S. Larsen, SUNY-Buffalo; Barry J Kronenfeld, George Mason University, *Presettlement land survey records for ecological analysis: Geographic coverage and historical trends.*
- 3531. Deaf Space, Signed Languages, and d/Deaf Culture 2 (Sponsored by Qualitative Research Specialty Group, Communication Geography Specialty Group)**
Room: 308 - Washington State Convention Center, Level 3 (Paper Session)
 ORGANIZER(S): Austin Kocher, The Ohio State University; Emily Fekete, University of Kansas
 CHAIR(S): Austin Kocher, The Ohio State University
2:40 Emily Fekete*, University of Kansas, *Spaces of ASL: Proxemics and the American Deaf Community.*
3:00 Cynthia Benoit*, INRS-UCS (University of Quebec); Philippe Apparcio, INRS-UCS (University of Quebec); Anne-Marie Séguin, INRS-UCS (University of Quebec), *Mapping out Deaf spaces in Montreal - GIS applications to Deaf geography.*
3:20 Hansel Bauman*, Gallaudet University, *The DeafSpace Project: Communicating through space, light, form and material.*
3:40 Paula Bath*, *Observing Places of Struggle: The Representation of Deaf Identity in Popular Media Discourse.*
- 3533. Hurricanes IV: Paleotempestology (Sponsored by Paleoenvironmental Change Specialty Group, Coastal and Marine Specialty Group, Climate Specialty Group)**
Room: 310 - Washington State Convention Center, Level 3 (Paper Session)
 ORGANIZER(S): Kam-Biu Liu, Louisiana State University; Harry Williams, University of North Texas
 CHAIR(S): Cary J. Mock, University of South Carolina
2:40 Allison LeBlanc*, Virginia Tech; Lisa Kennedy, Ph.D., Virginia Tech; Kam-biu Liu, Ph.D., Louisiana State University, *A 1000-yr record of fire, hurricanes, and erosion events from a coastal lagoon in southwestern Dominican Republic.*
3:00 Emily E Denlinger*; Harry Williams, Ph.D., University of North Texas, *Contribution of Hurricane Ike Storm Surge Deposition to Long-Term Sedimentation in Texas and Louisiana Coastal Woodlands and Marshes.*
3:20 Harry Williams*, University of North Texas, *Geologic Record of Late-Holocene Hurricane Landfalls in the Chenier Plain of Louisiana.*
3:40 Lawrence Kiage, PhD*, Georgia State University, *A 1900-yr Paleotempestology Record from a Back-barrier Marsh on Wassaw Island, Georgia.*
4:00 Qiang Yao*, Louisiana State University; Kam-biu Liu, Ph.D., Louisiana State University; Victor Rivera-Monroy, Ph.D., Louisiana State University, *Proxy Records of Coastal Environmental Changes and Paleo-*
- hurricane Activity from the Everglades, Southwest Florida.*
- 3534. Urban Foods 4: Toward an Engaged Geographic Analysis of Food Deserts through Community Gardening in Urban Areas (Sponsored by Geographic Information Science and Systems Specialty Group, Urban Geography Specialty Group, Health and Medical Geography Specialty Group)**
Room: 3A - Washington State Convention Center, Level 3 (Paper Session)
 ORGANIZER(S): Timothy Hawthorne, Columbus State University; Rina Ghose, University Of Wisconsin Milwaukee
 CHAIR(S): Daniel R. Block, Chicago State University
2:40 Timothy Hawthorne*, Columbus State University, *Youth Perceptions of Neighborhood Change and Urban Community Gardening in Columbus, Ohio.*
3:00 Margaret W Pettygrove*, University of Wisconsin-Milwaukee, *Spaces of Resistance: Urban Community Gardens in Inner-City Milwaukee.*
3:20 Timothy LeDoux*, Michigan State University; Igor Vojnovic, Ph.D., Michigan State University, *Wanderings in the Desert: Navigating Detroit's Urban Food Deserts.*
3:40 Susan Massad*, Professor, Framingham State University, *Mapping obesity trends, food deserts, and farmers market locations.*
4:00 Shanon Donnelly*, University of Akron, *Viewshed as Landscape in Community Gardens of Northeast Ohio.*
- 3535. Users, Uses, and Value of Remotely Sensed Data and GIS**
Room: 3B - Washington State Convention Center, Level 3 (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Kingsley E. Haynes, George Mason University
2:40 Holly M. Miller*, USGS; Natalie R. Sexton, USGS; Lynne Koontz, USGS, *Users, Uses, and Value of Landsat Imagery in the United States.*
3:00 Ramanathan Sugumaran*, University of Northern-Iowa; Anna Pestereva, University of Northern Iowa, *Overview of Airborne Topographic LiDAR data Accuracy: Users Perspective.*
3:20 Matthew Beckley*, Penn State University, *Creating Drainage Basins of Antarctica using GIS.*
3:40 Jason A Tullis, PhD*, University of Arkansas; Joshua S Jones, University of Arkansas; Peter D Smith, University of Arkansas; Fred M Stephen, PhD, University of Arkansas, *Online Spatial Decision Support for Insect Hazard Response.*
4:00 Rajendra Kulkarni, School of Public Policy, George Mason University; Kingsley E. Haynes*, George Mason University; Roger Stough, School of Public Policy, George Mason University; James Riggle, School of Public Policy, George Mason University, *Light Based Growth Indicator (LBGI): Analysis of Local Economic Growth Based on Night Lights.*
- 3536. Conversations in the conflict zone IV: transformations**
Room: 201 - Washington State Convention Center, Level 2 (Paper Session)
 ORGANIZER(S): Sara Koopman, University of British Columbia; Joanne P. Sharp, University of Glasgow
 CHAIR(S): Sara Koopman, University of British Columbia
2:40 Isla Forsyth*, University of Glasgow, *Confusing the art and articles of war: a cultural geography of military camouflage.*
3:00 Ron J Smith, PhD Candidate*, University of Washington, *"Freedom Has No Meaning Here" - Defining liberty through lived experience of occupation.*

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3:20 Derek Gregory*, University of British Columbia at Vancouver, *Lines of descent: from Bomber County to the borderlands*.
 Discussant(s): Joanne P. Sharp, University of Glasgow; Simon Dalby, Carleton University

3537. Indigenous Peoples, Property and Geography IV (Sponsored by Cultural and Political Ecology Specialty Group, Historical Geography Specialty Group, Indigenous Peoples Specialty Group)

Room: 202 - Washington State Convention Center, Level 2
 (Paper Session)
 ORGANIZER(S): Jessica Place, Simon Fraser University; Brian Egan, Carleton University
 CHAIR(S): Jessica Place, Simon Fraser University
2:40 Garry Fehr, PhD*, University of the Fraser Valley, *Reshaping Indigenous Forest Property Rights through Participation and the Market*.
3:00 Kathleen Guillozet, PhD Candidate*, Oregon State University; John C Bliss, PhD, Oregon State University, *Boundary-making and Forest Access in Ethiopia's Natural Forests: A case study in West Arsi, Oromia Regional State*.
3:20 Prakash Kashwan*, Workshop in Political Theory & Policy Analysis; School of Public & Environmental Affairs, Indiana University, *Property, Power, and Representation: Institutional Political Economy of Indigenous Property Rights Reforms*.
3:40 Logan Hennessy, PhD*, San Francisco State University, Liberal Studies Program, *Re-placing Cultural Land: villagization and the transformation of Amerindian environments under "Cooperative Socialism" in Guyana*.

3538. Hazards and GIScience 1: Assessing Risk and Vulnerability (Sponsored by Geographic Information Science and Systems Specialty Group, Remote Sensing Specialty Group, Hazards Specialty Group)

Room: 203 - Washington State Convention Center, Level 2
 (Paper Session)
 ORGANIZER(S): Rutherford V. Platt, Gettysburg College; Tom Cova, University of Utah
 CHAIR(S): Michael E Hodgson, University of South Carolina
2:40 F. Benjamin Zhan*, Texas State University-San Marcos; Yiqing Zhu, Second Crust Monitoring and Application Center, China Earthquake Administration; Jingcun Zhou, Institute of Geodesy and Geophysics, Chinese Academy of Sciences, *Global Surveillance of High Risk Regions of Large Earthquakes Using Satellite Gravity Data*.
3:00 Brent Yarnal*, Penn State; Peter Howe, Penn State; Alex Coletti, SM Resources Corporation, *Developing and Testing a Vulnerability Assessment Support System*.
3:20 Rutherford V. Platt*, Gettysburg College, *Does Defensible Space Help Structure Survival? A Case Study of the Fourmile Fire*.
3:40 Jeffrey D. Colby, Ph.D*, Appalachian State University; Monica Davis, Appalachian State University; J. Greg Dobson, National Environmental Modeling and Analysis Center; Kevin White, Appalachian State University, *Digital Terrain Model Evaluation for Flood Modeling in a Mountain Environment*.
4:00 Michael E Hodgson*, University of South Carolina; John R Jensen, University of South Carolina; Yi Chang, University of South Carolina; Dan Morgan, Beaufort County, *Modeling Sea Level Rise Impacts from High Resolution LiDAR and Image Sources*.

3539. The Construction and Contestation of Political Space

Room: 204 - Washington State Convention Center, Level 2
 (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Garth Andrew Myers, University of Kansas
2:40 Robert M. Kerr, Ph.D.*, U.S. Air Force Culture and Language Center, *The Geography of Applied Counterinsurgency (COIN) in NE Baghdad, April 2008-July 2009*.
3:00 Oren Katz*, California State University, Los Angeles, *Can we win the war in Afghanistan?*.
3:20 Kefa M Otiso*, Bowling Green State University, *Kenya's New County-based Government Devolution: Inequality Reduction or Redux?*.
3:40 Richard M. Medina, Ph.D.*, Oak Ridge National Laboratory; Olufemi A. Omitaomu, Ph.D., Oak Ridge National Laboratory, *The Complex Geography of Terrorism in Nigeria*.
4:00 Garth Andrew Myers*, University of Kansas, *The Transformation of Tanzania's Political Geography*.

3540. Active Learning Strategies for Geographic Education 2 (Sponsored by Graduate Student Affinity Group, Geography Education Specialty Group, Geography Faculty Development Alliance (GFDA))

Room: 205 - Washington State Convention Center, Level 2
 (Panel Session)
 ORGANIZER(S): Timothy Hawthorne, Columbus State University; Matin Katirai, West Chester University
 CHAIR(S): Kenneth E. Foote, University of Colorado
 Panelists: David M. Walker, Ohio Wesleyan University; Tamar Y. Rothenberg, Bronx Community College of the City University of New York; Michael Niedzielski, University of South Florida; Corey Werner, University of Central Missouri; Robert Edsall, University of Minnesota

3541. Water Resources Planning - Strategies

Room: 206 - Washington State Convention Center, Level 2
 (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Christopher Woltemade, Shippensburg University
2:40 Michael Kiparsky*, University of Idaho, *Towards integration of risk and decision analysis to decision support for water managers: A case study of risk and risk preferences in California's Central Valley*.
3:00 Shae R Luther*, Texas State University-San Marcos, *Texas Water Reuse Initiatives*.
3:20 Rosa Maria D Ponciano*, Indiana University of Pennsylvania; Richard Hoch, Ph.D., AICP, Indiana University of Pennsylvania, *An Analysis of Emergency Preparedness Planning for Fresh Water Loss in Rural Communities: A Case Study of Marcellus Shale Gas Drilling in Indiana, Co. PA*.
3:40 Andrew W Ellis*, Arizona State; Kevin W Murphy, Arizona State University, *Analyzing the Elasticity of a Multi-Reservoir Surface Water Supply System to Assess Cumulative Impacts of Climate Variability and Change*.
4:00 Christopher Woltemade*, Shippensburg University; Kurt Fuellhart, Shippensburg University, *Economic Efficiency of Residential Water Conservation Programs in a Pennsylvania Public Water Utility*.

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Room: 211 - Washington State Convention Center, Level 2

(Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): James R Zimbelman, Smithsonian Institution

2:40 Mark Seemann*, University of Victoria; Tuna Onur, Risk Management Solutions; John Cassidy, Natural Resources Canada, *Probabilities of Significant Ground Shaking Due To Cascadia Subduction Aftershocks.*

3:00 Houston C. Saunderson*, Wilfrid Laurier University, *Computer Experiments on Particle Paths during Volcanic Eruptions.*

3:20 Brian Yurk, Hope College; Zoran Kilibarda, Indiana University, Northwest; Deanna van Dijk, Calvin College; Edward Hansen*, Hope College, *Monitoring the Effects of Storm Winds on Coastal Dunes at Southern and Southeastern Lake Michigan.*

3:40 Wansang Ryu*, Texas A&M University; Douglas Sherman, Dr., Texas A&M University, *The Classification of Sand Patches in Coastal Sand Dunes Related to Climate.*

4:00 James R Zimbelman, Dr.*, Smithsonian Institution; Steven H Williams, Dr., NASM Education, Smithsonian Institution; Andrew K Johnston, CEPS NASM, Smithsonian Institution, *Cross-sectional profiles of sand ripples, megaripples, and sand dunes.*

3543. Material Culture and Geography I (Sponsored by Landscape Specialty Group, Cultural Geography Specialty Group)

Room: 212 - Washington State Convention Center, Level 2

(Paper Session)

ORGANIZER(S): Sara Beth Keough, Saginaw Valley State University

CHAIR(S): Sara Beth Keough, Saginaw Valley State University

2:40 Nicholas Wise*, Kent State University, *Sense of Identity, Community, and Place: an Auto-Ethnography of the 'Informal' Sports Landscape.*

3:00 Jamison Miller*, Simon Fraser University, *Art, Aura, and the Museum: Relocation and Meaning at the Vancouver Art Gallery.*

3:20 M Marian Mustoe*, Eastern Oregon University, *Lager, Labels and the 44th Parallel.*

3:40 Lis Pankl*, Kansas State University, *Visual Culture and Cosmopolitanism in Mexico City.*

4:00 Pedro P Geiger*, Universidade Estadual do Rio de Janeiro; Pedro P Geiger, Universidade Estadual do Rio de Janeiro, *Bossa Nova and the city of Rio de Janeiro.*

3544. Gentrification IV: Policy and Change (Sponsored by Urban Geography Specialty Group)

Room: 213 - Washington State Convention Center, Level 2

(Paper Session)

ORGANIZER(S): Julie Cidell, University of Illinois

CHAIR(S): Kate Shaw, University of Melbourne

2:40 Kate Shaw*, University of Melbourne, *The common class interests of informal cultural producers, social and environment activists, community welfare services, social housing tenants and the homeless.*

3:00 Anders Lund Hansen*, Lund University; Henrik Gutzon Larsen*, University of Aalborg, *Fighting (for) the urban commons in the post-political city: The housing question revisited in a Nordic welfare state in transition.*

3:20 Jessica Miller*, CUNY Graduate Center, *Public Participation in the Urban Waterfront Redevelopment Process.*

3:40 Stefanie Gray*, Hunter College, *From Incineration to Gentrification: The Story of Bushwick, Brooklyn.*

3545. Tribute to Robin Davidson-Arnott V: Beaches and Dunes (Sponsored by Coastal and Marine Specialty Group, Geomorphology Specialty Group)

Room: 214 - Washington State Convention Center, Level 2

(Paper Session)

ORGANIZER(S): Chris Houser, Texas A&M University; Jean Taylor Ellis, University of South Carolina

CHAIR(S): Chris Houser, Texas A&M University

2:40 Ryan Arnott*, University of Guelph; Gemma Barrett, Texas A&M University; Steffen Ulzhöfer; Chris Houser, Texas A&M, *Quantifying the temporal variation in rip current development at Pensacola Beach.*

3:00 Derek K. Heathfield*, University of Victoria; Ian J. Walker, Ph.D., University of Victoria, *Erosive water levels and beach-dune morphodynamics, Wickaninnish Beach, Pacific Rim National Park Reserve, British Columbia, Canada.*

3:20 Michael Bitton*, Louisiana State University; Patrick Hesp, Louisiana State University, *Natural Foredune Vegetation Variability on Florida Panhandle Eroding and Accreting beaches.*

3:40 Brandon L Edwards*, Louisiana State University; Steven L Namikas, Louisiana State University; Eurico J D'Sa, Louisiana State University, *A simple infrared sensor to measure surface moisture content.*

4:00 Phillip P Schmutz*, Louisiana State University; Steven L Namikas, Louisiana State University, *Influence of capillary flow above an oscillating water table on surface moisture content.*

3546. The Animal Body in the Capitalist Labor Process (Sponsored by Animal Geography Specialty Group)

Room: 2A - Washington State Convention Center, Level 2

(Paper Session)

ORGANIZER(S): Jonathan L. Clark, Ursinus College; Jacque (Jody) L. Emel, Clark University

CHAIR(S): Jonathan L. Clark, Ursinus College

2:40 Claire Elaine Rasmussen*, University Of Delaware, *Screwing with Animals: The Commodification of Animal Sexuality and Meat Production.*

3:00 Rosemary-Claire Collard*, University of British Columbia, *The lives and labours of animal actors in "Hollywood North".*

3:20 Kathryn Gillespie*, *Deconstructing Dairy: The Animal Body as Machine.*

3:40 Katja Neves, Ph.D.*, Concordia University - Montreal Canada, *The Production of Modernity through Industrial Whale Hunting.*

4:00 Sasha Cuerda*, University of Illinois at Urbana-Champaign, *Choose your own adventure: Thoughts on Rendering or Visualizing Heritage or Neoliberalism and Utopia.*

3548. Psychoanalytic Geographies IV: Engagements

Room: Cirrus Ballroom - Sheraton Hotel, Pike Tower, Thirty Fifth Floor

(Paper Session)

ORGANIZER(S): Paul T. Kingsbury, Simon Faser University; Steve Pile, The Open University

CHAIR(S): Steve Pile, The Open University

2:40 Maureen Sioh*, DePaul University, *Haunted Choices: The Libidinal Economy of a State-Owned Enterprise.*

3:00 Melissa Stepney*, University of Reading, *What does it mean for young women to go out and get drunk?: Psychoanalytic perspectives on young women's relationship with alcohol.*

3:20 Sheila Cavanagh, PhD*, York University, *Queering Bathrooms: Bodies in Gendered Space.*

3:40 Wendy S Shaw, PhD*, University Of New South Wales, *Entitlement: Beyond Privilege And (New) Cultures Of Narcissism.*

4:00 Elizabeth Straughan*, Aberystwyth University, *The Uncanny in the Beauty Salon.*

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Room: Boren - Sheraton Hotel, Union Tower, Fourth Floor
(Paper Session)

ORGANIZER(S): Alina Congreve, University of Reading;
Damian Pitt, Virginia Tech

CHAIR(S): Damian Pitt, Virginia Tech

2:40 Alina Congreve, Dr*, University of Reading, *Climate change in spatial plans: the English experience.*

3:00 Harley E. Johansen*, University of Idaho; Patrick Fitzsimons, University of Idaho, *Adaptation to Climate Change in the Arctic: A Survey of Nordic Municipalities.*

3:20 Jonathan Goergen*, University at Buffalo, *Estimating the Potential Energy Generation of Building Integrated Photovoltaics in Suburban Areas: A case study of Amherst, New York, a First Ring Suburb of Buffalo, New York.*

3:40 Derek Perry*, *Local Energy Conservation and Climate Mitigation Benefits of Alternative Transportation and the Need for Urban Densification.*

Discussant(s): Ellen Bassett, Portland State University

3551. Housing, Foreclosures, and Finance (Sponsored by Urban Geography Specialty Group)

Room: Columbia - Sheraton Hotel, Union Tower, Fourth Floor
(Paper Session)

ORGANIZER(S): Julie Cidell, University of Illinois

CHAIR(S): Katrin Anacker, George Mason University

2:40 William Kutz*, Clark University, *Property Speculation and Economic Crisis in the Spanish Context.*

3:00 Katrin B. Anacker*, George Mason University; James H. Carr, National Community Reinvestment Coalition; Archana Pradhan, National Community Reinvestment Coalition, *Analyzing Determinants of Foreclosure in the Atlanta, GA Metropolitan Area.*

3:20 Peter Piet*, City of Elmhurst; Richard P. Greene, Northern Illinois University, *Comparing the spatial dynamics of home sales in Chicago and Los Angeles, 2000-2010.*

3:40 Thomas Ludden*, UNC Charlotte, *The Impact of Foreclosures on Homeownership in Charlotte, North Carolina.*

3552. The Political Economy of the Shadow State II (Sponsored by Urban Geography Specialty Group)

Room: Jefferson - Sheraton Hotel, Union Tower, Fourth Floor
(Paper Session)

ORGANIZER(S): James DeFilippis, Rutgers University; Philip Ashton, University of Illinois-Chicago

CHAIR(S): James DeFilippis, Rutgers University

2:40 Andy Walter*, University of West Georgia; Katherine B. Hankins, Georgia State University, *Governing Atlanta's poor neighborhoods: An urban ministry collective and the shadow state.*

3:00 Justin Beaumont*, University of Groningen, *Religion and the political economy of the shadow state.*

3:20 Pascal Debruyne*, PHD-Researcher, *"God helps those who help themselves": Re-spatializing populations, governance networks and governmentalities in the Special Economic Zone of Aqaba..*

3:40 Greg J Marston*, The University of Queensland, *The place of 'fringe lenders' in the shadow welfare state.*

4:00 Ahmed Allahwala*, University of Toronto Scarborough, *Civic regionalism as a strategy of state rescaling: Notes from Toronto.*

3554. The William L. Garrison Award for Best Dissertation in Computational Geography

Room: Pike - Sheraton Hotel, Union Tower, Fourth Floor
(Paper Session)

ORGANIZER(S): Duane Marble, Ohio State University

CHAIR(S): Duane Marble, Ohio State University

Introducer: Douglas Richardson

Introducer: Duane Marble

2:50 Mehdi Mekni*, Sherbrooke University, *Automated Generation of Geometrically-Precise and Semantically-Informed Virtual Geographic Environments Populated with Spatially-Reasoning Agents.*

3556. Applied Geography Specialty Group Student Paper Competition (Sponsored by Applied Geography Specialty Group)

Room: Seneca - Sheraton Hotel, Union Tower, Fourth Floor
(Interactive Short Paper Session)

ORGANIZER(S): Dawna L. Cerney, Youngstown State University; Nairne Cameron, Algoma University

CHAIR(S): Nairne Cameron, Algoma University

2:40 George Roedl*, West Virginia University; Gregory A. Elmes, West Virginia University, *Crime Maps for Increased Student and Community Safety.*

2:45 Jared Doke*, University of Kansas; Paul J. Doherty, University of California, Merced, *Analysis of standard Search Perimeters utilized during Search and Rescue Incidents in Yosemite National Park.*

2:50 S M Rafael Harun*, Clark University, *Understanding the spatial distribution of industrial farms and modeling its relationship with demographic and health characteristics of the US population.*

2:55 Fei Meng*, *Spatial Disparities in Fresh Produce Accessibility and its Socio-Economic Characteristics in Massachusetts, USA.*

3:00 Likai Zhu*, Department of Geography, University of Florida, USA; Jijun Meng, College of Urban and Environmental Sciences, Peking University, China; Yuanyuan Guo, College of Urban and Environmental Sciences, Peking University, China, *Combining spatially explicit model with household survey to analyze land use change and drivers in farming-grazing transitional region.*

3:05 Alexander D Carnes*, Clark University, *Temporal Variations in the Distribution of West Nile Virus within the United States: 2000-2008.*

3:10 John Kelly*, University of Kansas, *It's Never Too Late: Reviving and Extending Participatory Data for Protected Area Land Tenure and Management in Honduran Mosquitia.*

3:15 Ben Mosiane*, Syracuse University; Royal Bafokeng Administration, *The Economic and Cultural Impact of the 2010 FIFA World Cup: the Case-Study of Phokeng.*

3558. Landscapes and spaces of renewal: retreat, recreation, pilgrimage II (Sponsored by Landscape Specialty Group, Geography of Religions and Belief Systems Specialty Group)

Room: University - Sheraton Hotel, Union Tower, Fourth Floor
(Paper Session)

ORGANIZER(S): Avril Maddrell; Veronica Della Dora, University of Bristol

CHAIR(S): Veronica Della Dora, University of Bristol

2:40 Ceri Price, graduate student*, University of Bristol, *Tokens of place: landscapes, postcards, and secular pilgrims.*

3:00 Brad Huff*, Florida State University, *A Mixed Methods Exploration of the Role of Monuments In the Demarcation of Sacred Landscapes and the Reproduction of Sacred Space.*

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- 3:20** Amanda J. Todd*, UNCG, *Spiritual Landscapes in the Twenty First Century: The Geography of Power Mountains and Healing Waters of the Southern Appalachian Region.*
- 3:40** Allison M. Williams, PhD*, McMaster University, *Healing Landscapes in the Alps: Heidi by Johanna Spyri.*
- 4:00** Paul Groth*, University of California, Berkeley, *Ideas along the Road: Official and Vernacular as Lenses of Cultural Landscape Analysis.*
- 3559. Evaluating the urban climate effect**
Room: Virginia - Sheraton Hotel, Union Tower, Fourth Floor (Paper Session)
 ORGANIZER(S): Gerald Mills
 CHAIR(S): Gerald Mills
2:40 David Sailor, Ph.D.*, Portland State University, *The Role of Complex System Interactions in Assessing the Efficacy of Urban Heat Island Mitigation Strategies.*
2:55 Winston T.L. Chow, Arizona State University; Bohumil M. Svoma, Arizona State University; Anthony J Brazel*, Arizona State University, *Analyses of nocturnal temperature cooling rate response to historical local-scale urban land-use/land cover change.*
3:10 Chandana Mitra*, University of Georgia; Marshall Shepherd, University of Georgia, *Methodological issues associated with establishing the urban rainfall effects.*
3:25 Paul Alexander*, University College Dublin / Arizona State University; Gerald Mills, University College Dublin, *Local Climate Classification and Dublin's Urban Heat Island.*
3:40 Iain D Stewart*, University of British Columbia; Tim R Oke, University of British Columbia, *Overview of the local climate zone classification system: Origins, development, and application to urban heat islands.*
3:55 Timothy R Oke*, University Of British Columbia, *Heat islands revisited - issues requiring attention.*
 Introducer: Gerald Mills
- 3561. Urban Forestry, Ecology, & Natural Resources (Sponsored by Urban Geography Specialty Group)**
Room: Ballard - Sheraton Hotel, Pike Tower, Third Floor (Panel Session)
 ORGANIZER(S): Diane M. Styers, University of Washington; Matthew Dunbar, University of Washington - Center for Studies in Demography and Ecology
 CHAIR(S): Diane M. Styers, University of Washington
 Introducer: Diane M. Styers
 Panelists: Kirstin Bourne, University of Toronto, Mississauga; Vivek Shandas, Portland State University; Hamil Pearsall, Clark University; L. Monika Moskal, University of Washington; Kathleen Wolf, University of Washington; Weston Brinkley, Cascade Land Conservancy; Akira Kato; Lee Cerveney, Pacific Northwest Research Station; Kirsten Schwarz, University of California, Davis
- 3565. China and International Financial Systems (Sponsored by China Specialty Group)**
Room: Greenwood - Sheraton Hotel, Union Tower, Third Floor (Paper Session)
 ORGANIZER(S): Piper Gaubatz, University Of Massachusetts
 CHAIR(S): David R. Meyer, Washington University in St. Louis
2:40 David R. Meyer*, Washington University in St. Louis, *Hong Kong is China's Global Financial Center.*
3:00 Godfrey Yeung*, National University of Singapore; Canfei He, Peking University, *Centralization, Marginalization and Hybridization: The Chinese banking industry in reform.*
- 3:20** Karen Zhi Hua Xu*, Advanced Institute for Contemporary China Studies, *A Multi-level Analytical Framework: Diffusion and Dynamics of Foreign Investment from Different Source Regions.*
- 3:40** Qionghua Lao*, The University of Hong Kong, *Financial Center Competition and Cooperation in China: A Comparative Study of Hong Kong, Beijing, Shanghai and Shenzhen.*
- 4:00** Shihuh-Shen Chien*, National Taiwan University; Chenglin Hsieh, PhD student, NTU, *Taiwan-China Dynamical Interaction- A Perspective of Provincial Delegations.*
- 3566. Critical geographies of post-communist cities 4: Legacies and current trajectories (Sponsored by Russian, Central Eurasian, and East European Specialty Group)**
Room: Issaquah A - Sheraton Hotel, Union Tower, Third Floor (Paper Session)
 ORGANIZER(S): Jessica K. Graybill, Colgate University
 CHAIR(S): Jessica K. Graybill, Colgate University
2:40 Elena Trubina, Professor of Philosophy*, Ural State University, *Bypassing the Country's Capital: Tourism and Relational Legacy.*
3:00 Nina Dvorakova*, Charles University in Prague; Petra Puldova*, Charles University in Prague; Martina Kopecna, Charles University in Prague, *Residential Satisfaction in Suburbia: the Case of Prague.*
3:20 Zoltan Kovacs*, University of Szeged, Department of Economic and Social Geography, *New housing forms and their social conflicts in post-socialist Budapest.*
3:40 Mari Nuga*, University of Tartu; Kadri Leetmaa, University of Tartu; Anette Org, University of Tartu; Pille Metspalu, University of Tartu, *Planning approaches for a creative suburbia: the case of socialist summer home settlements.*
 Discussant(s): Megan Dixon, College of Idaho
- 3567. Landscape Analysis**
Room: Issaquah B - Sheraton Hotel, Union Tower, Third Floor (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): O.T. Ford, UCLA
2:40 Manuel Molla*, Universidad Autonoma De Madrid; Elia Canosa, Universidad Autonoma de Madrid, *Landscape and Immaterial Patrimony: The Excursions like a Conservation Way for Cultural Landscapes.*
3:00 Katja Pettinen*, Purdue University; Myrdene Anderson, Purdue University, *Mindsapes, Bodyscapes, Landscapes: The Semiotics of Performativity.*
3:20 Emily Pabst*, University of Kansas, *Marketing Home: Beauty and the Multipurpose Landscape.*
3:40 Miguel de Oliver, PhD*, University of Texas at San Antonio, *Landscape, power, and performativity: A case study of the spatial reproduction of power through a speech-act.*
4:00 O.T. Ford*, UCLA, *World regions, reconsidered and redefined.*
- 3568. 'New' gendered and sexual politics for 'new' equalities landscapes? Session 4 (Sponsored by Sexuality and Space Specialty Group)**
Room: Kirkland - Sheraton Hotel, Union Tower, Third Floor (Paper Session)
 ORGANIZER(S): Catherine Jean Nash; Kath Browne, University of Brighton
 CHAIR(S): Andrew Gorman-Murray
2:40 Petra L. Doan*, Florida State University, *Liberation Politics, Granola Neighborhoods, and Gender Dissonance.*

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- 3:00** Catherine Jean Nash*, Brock University, *The homo hipster and the making of urban space.*
- 3:20** Kath Browne*, University of Brighton, *'Gay (and Lesbian?) Scene'- Hope and Despair in the Gay Capital.*
- 3:40** Jesse Barber*, Brock University, *Cruising and Location-based Software (Grindr): Transforming Gay Male Identity in Material Space.*
- 4:00** Agnes KL Chew*, University of North Carolina - Chapel Hill, *Sex and the City-State: The performative construction and negotiation of gay identity in Singapore.*

3570. U.S. Energy Production and Employment

Room: Medina - Sheraton Hotel, Union Tower, Third Floor (Paper Session)

- ORGANIZER(S): Program Committee
CHAIR(S): Pankaj Lal, University of Florida
- 2:40** Deborah Kittner, MPA, PhD Student*, University of Cincinnati, *What's the Fracking Problem?: Extraction Industry's Neglect of the Locals in the Pennsylvania Marcellus Region.*
- 3:00** Steven B. McGunegle*, United States Military Academy, *Analyzing Industrial Expansion: A Review of the Potential for Sustained Ethanol Production in Pennsylvania.*
- 3:20** Adam P. Lewis*, Frostburg State University, *Coal and Culture, Iron, and Ethnicity, George's Creek.*
- 3:40** Brian Davidson, Economist*, Bureau of Labor Statistics, *Mining Employment During The 2007-2009 Recession.*
- 4:00** Pankaj Lal, PhD Candidate*, School of Forest Resources, University of Florida,; Janaki R.R. Alavalapati, Professor and Department Head, Department of Forest Resources and Environmental Conservation, Virginia Tech,; Robert C. Abt, Professor of Forestry, Department of Forestry and Environmental Resources, North Carolina State University,; David N. Wear, Project Leader, Economics of Forest Protection and Management, USDA Forest Service, *Modeling Woody Biomass Supply in Southern U. S..*

3572. Technology innovation and upgrading in emerging economies (Sponsored by China Specialty Group, Development Geographies Specialty Group, Economic Geography Specialty Group)

Room: Metropolitan Ballroom B - Sheraton Hotel, Third Floor (Panel Session)

- ORGANIZER(S): Yifei Sun, California State University, Northridge; Mark Graham, University of Oxford
CHAIR(S): Yifei Sun, California State University, Northridge
Introducer: Mark Graham
Discussant(s): Sharmistha Bagchi-Sen, SUNY-Buffalo
Panelists: Dorothea Kleine, University of London; Henry Wai-chung Yeung, National University of Singapore; Rein Ahas, Department of Geography, University of Tartu

3573. Author meets critics: Nigel Clark's Inhuman natures

Room: Queen Anne - Sheraton Hotel, Union Tower, Third Floor (Panel Session)

- ORGANIZER(S): Jamie Lorimer, Kings College London; Kathryn Yusoff, University of Exeter
CHAIR(S): Jamie Lorimer, Kings College London
Panelists: Arun Saldanha, University of Minnesota - Minneapolis; Myra Hird, Queen's University; Keith Woodward, University of Wisconsin-Madison; Kathryn Yusoff, University of Exeter; Nigel Clark, The Open University

3574. Food and Alterity in a Diverse Economy: Exploring a Politics of Possibility (2) (Sponsored by Cultural and Political Ecology Specialty Group, Geographic Perspectives on Women Specialty Group, Economic Geography Specialty Group)

Room: Ravenna - Sheraton Hotel, Union Tower, Third Floor (Paper Session)

- ORGANIZER(S): Edmund Harris, Clark University; Eric Sarmiento
CHAIR(S): Edmund Harris, Clark University
- 2:40** Stephen FitzHerbert*, The University of Auckland, *Geographies of taewa: conceptualising how different institutions of exchange are co-constituted?.*
- 3:00** Andrew Wilbur*, University of Glasgow, *'There was no market so we created our own': Secret markets as alternative economic strategy among small-scale farmers in Italy.*
- 3:20** Eric Sarmiento*, Rutgers University; Nate Gabriel, Rutgers University, *Food, actor-networks, and "the transatlantic destiny of Michel Foucault".*
- 3:40** E. Melanie DuPuis*, UC Santa Cruz, *Organic Ways of Knowing.*

Discussant(s): Stephen Healy, Worcester State University

3576. Land Use / Land Cover Change II (Sponsored by Geographic Information Science and Systems Specialty Group, Space-Time Symposium, Human Dimensions of Global Change Specialty Group, Spatial Analysis and Modeling Specialty Group)

Room: Aspen Room - Sheraton Hotel, Second Floor (Paper Session)

- ORGANIZER(S): Robert Gilmore Pontius, Clark University
CHAIR(S): Robert Gilmore Pontius, Clark University
- 2:40** Thomas L. Gregory*, USDA-NASS; Fred L. Shore, Ph.D., Mississippi Department of Agriculture and Commerce, *Mississippi Crop Statistics from the Cropland Data Layer and Quick Stats.*
- 3:00** Neil A. Best*, Computation Institute, University of Chicago; Monika Mihir, PhD, Department of Geography & Environmental Studies, Northeastern Illinois University; Joshua W. Elliott, PhD, Computation Institute, University of Chicago, *Synthesis of a complete land use/ land cover data set for the conterminous United States emphasizing accuracy in area and distribution of agricultural activity.*
- 3:20** Yuheng Li*, Dept. of Urban Planning and Environment; Qian Zhang, PhD student of Geoinformatics, Royal Institute of Technology, Sweden, *Spatial-temporal arable and built land change in Beijing-Tianjin-Hebei Metropolitan Region, 1990-2005.*
- 3:40** Elizabeth A. Wentz*, Arizona State University; Sharolyn Anderson, University of Denver; Donna Peuquet, Pennsylvania State University, *Space-time interpolation of land cover for Phoenix Arizona.*

Discussant(s): Robert Gilmore Pontius, Clark University

3577. Collecting and interpreting spatio-temporal data (Sponsored by Space-Time Symposium)

Room: Cedar Room - Sheraton Hotel, Second Floor (Paper Session)

- ORGANIZER(S): Donggen Wang, Hong Kong Baptist University; Mei-Po Kwan, Ohio State University
CHAIR(S): Yanwei Chai, College of Urban and Environmental Sciences, Peking University
- 2:40** Chaogui Kang*, Institute of Remote Sensing and Geographical Information Systems, Peking University, Beijing, China; Yu Liu, Institute of Remote Sensing and Geographical Information Systems, Peking University, Beijing, China; Lun Wu, Institute of Remote Sensing and Geographical Information Systems, Peking University, Beijing, China; Xiujun

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- Ma, Key Laboratory of Machine Perception (Minister of Education), Peking University, Beijing, China; Daoqin Tong, School of Geography and Development, the University of Arizona, Tucson, Arizona, United States, *Patterns of Intra-city Human Mobility: An Urban Morphology Perspective.*
- 3:00** Bingxia Sun*, Hong Kong Baptist University; Donggen Wang, doctor, Hong Kong Baptist University, *Identifying Activity Type and Trip Purpose from data Collected by Passive GPS.*
- 3:20** Yue Shen*; Yanwei Chai, *The Collection, Management and Application of Space-Time Data of Individual Behavior Based on Location-Based Technology.*
- 3:40** Song Gao*, Institute of Remote Sensing and Geographical Information Systems, Peking University, Beijing, China; Yaoli Wang, Institute of Remote Sensing and Geographical Information Systems, Peking University, Beijing, China; Yu Liu, Institute of Remote Sensing and Geographical Information Systems, Peking University, Beijing, China; Fahui Wang, Department of Geography & Anthropology, Louisiana State University, Baton Rouge, LA 70803, USA, *Investigating Traffic Density Using Taxi Trajectories Data.*
- 4:00** Wenjia Zhang*, Community and Regional Planning Program, University of Texas at Austin, Austin, TX, 78712, USA; Yanwei Chai, Department of urban and economic geography, College of Urban and Environmental Sciences, Peking University, Beijing, 100871, China, *Suburbanization and Time-Space Constraints of Commuters' Non-Work Activities in China.*
- 3578. Agency Perspectives on CyberGIS (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group, Spatial Analysis and Modeling Specialty Group)**
Room: Douglas Room - Sheraton Hotel, Second Floor (Panel Session)
 ORGANIZER(S): Shaowen Wang, University of Illinois at Urbana-Champaign; Sean Ahearn, Hunter College - City University
 CHAIR(S): Shaowen Wang, University of Illinois at Urbana-Champaign
 Discussant(s): Sean Ahearn, Hunter College - City University
 Panelists: Thomas Baerwald, National Science Foundation
- 3579. Roepke Lecture in Economic Geography (Sponsored by Economic Geography Specialty Group)**
Room: Grand Ballroom A - Sheraton Hotel, Second Floor (Paper Session)
 ORGANIZER(S): Yuko Aoyama, Clark University; Norma Rantisi
 CHAIR(S): Julie Cidell, University of Illinois
2:40 Trevor J. Barnes*, University Of British Columbia, *Notes from the underground: Why the history of twentieth-century Anglo-American economic geography matters.*
 Discussant(s): Allen J. Scott, University of California - Los Angeles
- 3580. Terrestrial and Low-Altitude Airborne LiDAR Applications**
Room: Grand Ballroom B - Sheraton Hotel, Second Floor (Paper Session)
 ORGANIZER(S): Christopher E. Soulard, United States Geological Survey
 CHAIR(S): Christopher E. Soulard, United States Geological Survey
 Introducer: Christopher E. Soulard
2:50 Christopher E. Soulard*, United States Geological Survey; Todd Esque, PhD, USGS; Dave Bedford, PhD, USGS; Sandra Bond, USGS, *The role of fire on soil microtopography in the Mojave Desert.*
3:10 Ryan Gold*, US Geological Survey, *Resolving fault slip records using terrestrial laser scanning.*
3:30 John J. Kosovich, Physical Scientist*, USGS; Richard I. Grauch, PhD, Scientist Emeritus, USGS; Jedediah D. Frechette, University of New Mexico, *Visualization and Analysis of Multi-temporal Terrestrial Lidar Data in Hillslope Erosion of Mancos Shale in Utah and Western Colorado.*
3:50 Larry Sugarbaker*, United States Geological Survey, *The National Enhanced Elevation Assessment, Preliminary Findings.*
- 3582. Critical perspectives on value theory II: the labor theory of value, social reproduction, and economic geography (Sponsored by Socialist and Critical Geography Specialty Group)**
Room: Grand Ballroom D - Sheraton Hotel, Second Floor (Paper Session)
 ORGANIZER(S): Jim Glassman, University Of British Columbia; Joel D Wainwright, The Ohio State University
 CHAIR(S): Eric S. Sheppard, University of Minnesota - Minneapolis
2:40 Altha J. Cravey*, University Of North Carolina, *Artisanal Paper-Making, Social Reproduction, and Value.*
3:00 Junjia Ye*, The University of British Columbia, *Labour value and social reproduction: Bangladeshi male migrants in Singapore's division of labour.*
3:20 Jim Glassman*, University Of British Columbia, *The Incalculable Value(s) of Marx's Labor Theory.*
3:40 Joel D Wainwright*, The Ohio State University, *On Marx's theory of value and economic geography.*
 Discussant(s): Cindi Katz, CUNY Graduate Center
- 3583. Geographies of 'successful' aging 2**
Room: Juniper Room - Sheraton Hotel, Second Floor (Paper Session)
 ORGANIZER(S): Irene Hardill, Northumbria University; Susan Lucas, Temple University
 CHAIR(S): Irene Hardill, Northumbria University
 Introducer: Irene Hardill
2:45 Ricca Edmondson*, National University of Ireland Galway, *Geographies of ageing and wisdom.*
3:05 Megan Salhus, PhD*, Independent, *"I'm not a senior": Perceptions of Age and Aging.*
3:25 Susan Lucas*, Temple University, *Visioning and re-visioning the Good Life in Retirement Communities.*
3:45 Theresa D. Garvin, PhD*, University of Alberta, *Aging in Place(lessness).*
 Discussant(s): Irene Hardill, Northumbria University

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- 3584. Spatialities and Practices Of Governance (2) (Sponsored by Political Geography Specialty Group)**
Room: *Madrona Room - Sheraton Hotel, Second Floor (Paper Session)*
 ORGANIZER(S): Martin Jones, IGES, Aberystwyth University; Katherine Phillips, Aberystwyth University
 CHAIR(S): Katherine Phillips, Aberystwyth University
2:40 Delphine Ancien*, National University of Ireland Maynooth; Cian O' Callaghan, NIRSA, NUI Maynooth, *'An Irish solution to an Irish problem': city-regional governance, creativity, and digital media in Dublin.*
3:00 Richard J Bater*, Royal Holloway, University of London, *A Brief History of Sand: Trump International and the governing of material identities.*
3:20 Veit Bachmann*, Goethe-University Frankfurt, *Governance through regulated spaces of interaction.*
3:40 Katherine M Phillips, MA (Hons), MSc*, Aberystwyth University, *The Spatial Governance of Climate Change in the UK: Exploring Meta-Governance.*
4:00 David Tecklin*, University of Arizona, *The limits to private environmental governance: disease-induced sectoral collapse and the restructuring of salmon aquaculture in Chile.*
- 3586. Geovisual Analytics (Sponsored by Space-Time Symposium)**
Room: *Willow A - Sheraton Hotel, Second Floor (Paper Session)*
 ORGANIZER(S): Space-Time Symposium Organizing Committee
 CHAIR(S): Serge Rey, Arizona State University
2:40 JING LI*, Department of Geography and Geoinformation Science, George Mason University; David Wong, Department of Geography and Geoinformation Science, George Mason University, *A visual analytical system for 3D spatial temporal data using a constraint based model.*

- 3:00** Philip Forer, Ph.D., M.A.*, School of Environment, University of Auckland, New Zealand; Jinfeng Zhao, School of Environment, University of Auckland, New Zealand, *Interpreting Large Scale Movement Patterns In The Context Of Dynamic Spaces And Variance In The Interaction Between Sentient Mobile Objects And Their Environments.*
3:20 Otto Huisman*, ITC, University of Twente; Menno-Jan Kraak, ITC, University of Twente; Bas Retsios, ITC, University of Twente, *Geovisual Analytics and the Space-Time Cube.*
3:40 Menno-Jan Kraak*, ITC / University of Twente; Xia Li, Chang'An University, *The usability of alternative temporal visual representations: the time wave in a geovisual analytics environment.*
4:00 Serge Rey*, Arizona State University, *Space-Time Analysis of Regional Systems.*

- 3587. Building World Historical Gazetteers from Historical GIS (1) (Sponsored by Space-Time Symposium, Harvard University Center for Geographic Analysis, Association of American Geographers)**
Room: *Willow B - Sheraton Hotel, Second Floor (Paper Session)*
 ORGANIZER(S): Humphrey Southall, University of Portsmouth
 CHAIR(S): Merrick Berman, China Historical GIS, Harvard Univ
2:40 Guoping Huang*, Harvard GSD/CGA, *Linking Digital Atlas of Roman and Medieval Civilizations (DARMC) Places with Pleiades Gazetteer through Geocoding.*
3:00 Robert Woodberry*, University of Texas At Austin; Juan Carlos Esparza Ochoa*, University of Texas At Austin, *Gazetteers and Linking Historical Data through Time.*
3:20 Mark Henderson*, Mills College; Karl Ryavec, University of Wisconsin, Stevens Point, *From gazetteers to spatial structures: a study of Chinese Muslim and Tibetan societies, 1800-2011.*
 Discussant(s): J. B. Owens, Idaho State University

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- 3603. Beyond the Ivory Tower (B): Preparing Geographers for Public Sector Careers (Sponsored by Private/Public Affinity Group, Enhancing Departments and Graduate Education project (EDGE))**
Room: *603 - Washington State Convention Center, Level 6 (Panel Session)*
 ORGANIZER(S): Michael N. Solem, Association of American Geographers
 CHAIR(S): Beth Schlemper, University of Toledo
 Introducer: Michael N. Solem
 Discussant(s): Molly E. Brown, NASA
 Panelists: Denise Blanchard-Boehm, Texas State University; Ming-Hsiang Tsou, San Diego State University; Fred M. Shelley, University of Oklahoma; Allison Williams, McMaster University; Christopher Badurek, Appalachian State University; Richard Quodomine, NYS DOT
- 3604. Climate Adaptation, Landscapes, and Institutions II (Sponsored by Cultural and Political Ecology Specialty Group, Human Dimensions of Global Change Specialty Group, Development Geographies Specialty Group)**
Room: *604 - Washington State Convention Center, Level 6 (Paper Session)*
 ORGANIZER(S): Ashwini Chhatre, University of Illinois at Urbana-Champaign; Arun Agrawal, University of Michigan
 CHAIR(S): Arun Agrawal, University of Michigan

- 4:40** Ashwini Chhatre*, University of Illinois at Urbana-Champaign; Ewan Robinson, University of Illinois at Urbana-Champaign; Betsy Beymer-Farris, University of Illinois at Urbana-Champaign; Harry Fischer, University of Illinois at Urbana-Champaign, *Mutual constitution of landscapes and institutions: Comparative evidence from mountains, coasts, and semi-arid environments.*
4:55 Mara J. Goldman, PhD*, University of Colorado, *Adapting to Variability and Drought: the shifting relationship between institutions and landscapes in East Africa savanna lands.*
5:10 Matthew D. Turner*, University of Wisconsin-Madison, *Climate Variability and the Institutional Landscapes of Dryland Africa: Rethinking Social Vulnerability to Drought.*
5:25 Jeff R. Baldwin, Ph.D.*, Sonoma State University, *Promoting Resilience and Practicing Rigidity: Institutional Exclusion of Beaver Re-Introduction in the Pacific Northwest Cascade Range as an Adaptive Response to Climate Change.*
 Discussant(s): Jesse Ribot, University of Illinois

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- 3606. Creating a (Sense Of) Place**
Room: 606 - Washington State Convention Center, Level 6
(Paper Session)
ORGANIZER(S): Program Committee
CHAIR(S): Dave Stasiuk, Kent State University
4:40 Cheryl L. Nye*, Georgia State University, *Making Stone Soup in a Hollowed Out City*.
5:00 Jennifer T. Mokos*, Vanderbilt University, *Intersecting human and physical geographies in the (re)creation of place*.
5:20 Andrew Puhl*, College of Architecture Virginia Tech, *Nocturnal (e)migrations: The Construction of Place in Southwestern Virginia*.
5:40 Dave Stasiuk*, Kent State University, *The Sturgis Motorcycle Festival- Creating Place*.
- 3607. Social Movement Scholarship: Perilous Positionings between Academia and Activism (Sponsored by Political Geography Specialty Group, Socialist and Critical Geography Specialty Group)**
Room: 607 - Washington State Convention Center, Level 6
(Paper Session)
ORGANIZER(S): Byron A. Miller, University of Calgary; Walter J. Nicholls, Sociology, University of Amsterdam
CHAIR(S): Walter J. Nicholls, Sociology, University of Amsterdam
Panelists: Jane Wills, Queen Mary University of London; Nathan Lee Clough, University of Minnesota; Nik Theodore; Kristin M. Sziarto, University of Wisconsin-Milwaukee; Jules Boykoff, Pacific University
- 3608. Indigenous Peoples Specialty Group Plenary Lecture: Billy Frank, Jr. (Sponsored by Indigenous Peoples Specialty Group)**
Room: 608 - Washington State Convention Center, Level 6
(Paper Session)
ORGANIZER(S): Zoltan Grossman, The Evergreen State College
CHAIR(S): Zoltan Grossman, The Evergreen State College
Panelist: Billy Frank
- 3611. Spatial Epidemiology 5 - Space-Time Modeling (Sponsored by Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group, Health and Medical Geography Specialty Group)**
Room: 611 - Washington State Convention Center, Level 6
(Paper Session)
ORGANIZER(S): Eric M. Delmelle, UNC-Charlotte; John DeGroot, University of Northern Iowa
CHAIR(S): Debarchana Ghosh, Kent State University
4:40 Tony H. Grubestic*, Drexel University; William Alex Pridemore, Ph.D., Indiana University, *Alcohol Outlets and Assaultive Violence*.
5:00 Lara J Iverson*, SUNY University at Buffalo, *Modeling the Impact of Cultural Beliefs on Treatment-Seeking Behaviors Using a Combined System Dynamics and Agent Based Modeling Approach*.
5:20 William F. Wieczorek*, Buffalo State College; Alan Delmerico, Center for Health and Social Research, Buffalo State College; Peter Rogerson, Dept of Geography University at Buffalo; David Wong, George Mason University, *Comparison of Clustering of Lattice and Census-based Neighborhood Areas*.
5:40 Irene Casas*, Louisiana Tech University; Eric Delmelle, University of North Carolina, Charlotte; Jorge H. Rojas, Secretaria de Salud Publica de Santiago de Cali; Alejandro Varela, Secretaria de Salud Publica de Santiago de Cali, *Modeling and Visualization of Space-Time Patterns between Distribution of Dengue Fever and its Habitat in Cali, Colombia*.
- 6:00** Christina Mair*, Prevention Research Center, University of California Berkeley; Paul Gruenewald*, Prevention Research Center, *Addressing unit misalignment in Bayesian models of space-time data: A case study investigating disparities in low birth weight*.
- 3612. Water governance and the politics of scale: A critical examination of water governance in a multi-scalar environment - Part III (Sponsored by Political Geography Specialty Group, Human Dimensions of Global Change Specialty Group, Water Resources Specialty Group)**
Room: 612 - Washington State Convention Center, Level 6
(Paper Session)
ORGANIZER(S): Emma S. Norman, University of British Columbia; Christina Cook, University of British Columbia
CHAIR(S): Christina Cook, University of British Columbia
4:40 Jessica Budds*, The Open University, *Extractive industries and changing waterscapes in the Andes: reflections on governance and scale*.
5:00 Eve Vogel*, University of Massachusetts - Amherst, *Divvying up the Watershed: Inter-Jurisdictional Negotiations, Distributive Policy and River Transformation on the Columbia River, 1933-2011*.
5:20 Darren Bardati, PhD*, Bishop's University, *Watershed voices in Prince Edward Island, Canada: Hearing from community-based watershed groups about their role in provincial watershed governance*.
5:40 Alice Cohen*, University of British Columbia, " *Nature's Scales': Understanding the shift towards watersheds as governance units*".
Discussant(s): Christina Cook, University of British Columbia; Emma S. Norman, University of British Columbia
- 3613. Critical Race Theory, Spatial Inequality, and Research Methods (Sponsored by Population Specialty Group, Ethnic Geography Specialty Group)**
Room: 613 - Washington State Convention Center, Level 6
(Paper Session)
ORGANIZER(S): Tricia Ruiz, University of Washington; Raoul Lievanos, University of California, Davis
CHAIR(S): Tricia Ruiz, University of Washington
4:40 Alison Hope Alkon*, University of California, Davis, *Reflexivity and Environmental Justice Scholarship: A Role For Feminist Methodologies*.
5:00 Raoul Lievanos*, University of California, Davis; Kari Norgaard, Whitman College, *Environmental Inequality and the Racial State: Competing Environmental Racial Projects in California's Impaired Waters*.
5:20 Jesus Hernandez*, University of California, Davis, *Race-Making and the Housing Crisis: Market Infrastructure, Social Closure and Foreclosure in Sacramento, CA.*
5:40 Tricia Ruiz*, University of Washington, *Multiple geographies of race: linking schools and neighborhoods to school quality and educational outcomes*.
6:00 Gregory Hooks*, Washington State University, *"The Treadmill of Destruction Goes Global: Anticipating the Environmental Impact of Militarism in the 21st Century."*.

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- 3614. High-tech economies: defining and measuring activity (Sponsored by Economic Geography Specialty Group)**
Room: 614 - Washington State Convention Center, Level 6
 (Panel Session)
 ORGANIZER(S): Helen Lawton Smith, Birkbeck University of London; William B. Beyers, University Of Washington
 CHAIR(S): William B. Beyers, University Of Washington
 Panelists: William B. Beyers, University Of Washington; Helen Lawton Smith, Birkbeck University of London; Yifei Sun, California State University, Northridge; Ulrich Hilpert; Dieter Franz Kogler, University College Dublin; John Bryson, University of Birmingham; John Lombard, Old Dominion University
- 3615. Author Meets the Critics: Susan Schweik's The Ugly Laws: Disability in Public (Sponsored by Health and Medical Geography Specialty Group, Historical Geography Specialty Group, Disability Specialty Group)**
Room: 615 - Washington State Convention Center, Level 6
 (Panel Session)
 ORGANIZER(S): Michael L Dorn, Temple University; Vandana Wadhwa, Boston University
 CHAIR(S): Michael L Dorn, Temple University
 Discussant(s): Susan Schweik
 Panelists: Michael L Dorn, Temple University; Carla Keirns, Stony Brook University; Joshua Evans, Athabasca University; James A. Tyner, Kent State University; Don Mitchell, Syracuse University
- 3616. Socio-Cultural Dimensions of Climate Change 5 (Sponsored by Cultural and Political Ecology Specialty Group, Human Dimensions of Global Change Specialty Group, Ethics, Justice, and Human Rights Specialty Group)**
Room: 616 - Washington State Convention Center, Level 6
 (Paper Session)
 ORGANIZER(S): Barbara Walker, UC Santa Barbara; David Lopez-Carr, UC Santa Barbara
 CHAIR(S): Cheryl Chen, UC Santa Barbara
4:40 Janelle Knox-Hayes*, Georgia Institute of Technology, *Climate change and the embodied technology of pricing: Assessing the cultural and economic dynamics that frame the problem and its solutions.*
5:00 Elyse Stanes*, University of Wollongong; Lesley M. Head, University Of Wollongong; Chris Gibson, Prof, University of Wollongong; Carol Farbotko, Dr, University of Wollongong; Nick Gill, Dr, University of Wollongong; Gordon Waitt, A/Prof., University of Wollongong, *The cultural power of households in climate change.*
5:20 Christopher Rosin*, CSAFE, University of Otago, *Caught between a hungry world and a warming climate: the contested moral terrain of pastoral agriculture in New Zealand.*
 Discussant(s): James P. McCarthy, Pennsylvania State University
- 3617. Authors Meet Critics: Peter Walker and Patrick Hurley, Planning Paradise: The Politics and Visioning of Land Use in Oregon (Sponsored by Cultural and Political Ecology Specialty Group, Rural Geography Specialty Group, Regional Development and Planning Specialty Group)**
Room: 617 - Washington State Convention Center, Level 6
 (Panel Session)
 ORGANIZER(S): Hannah Gosnell, Oregon State University
 CHAIR(S): Hannah Gosnell, Oregon State University
 Panelists: James D. Proctor, Lewis and Clark College; Jesse Abrams; Gundars Rudzitis, University of Idaho; Peter A. Walker, University Of Oregon; Patrick T. Hurley, Ursinus College; Nick Gill
- 3618. Media Geographies**
Room: 618 - Washington State Convention Center, Level 6
 (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Frida Buhre
4:40 Benjamin Ebertz*, UW-Stevens Point, *Photo Mapping Wisconsin Barns.*
5:00 Gregory Parent, PhD Student*, University of Florida; Deborah Wojcik, PhD Candidate, University of Florida; Andrea Gaughan, PhD Candidate, University of Florida; Anna Cathey, PhD Candidate, University of Florida; Bill Kanapaux, PhD Candidate, University of Florida; Stuart Mueller, University of Florida, *Using video as a medium to disseminate research results to a broader audience.*
5:20 Torsten Wissmann*, Johannes Gutenberg-University Mainz; Stefan Zimmermann*, Johannes Gutenberg University Mainz, *From Hear to There. Sound and the Cognitive Construction of World in Popular Audioplays..*
5:40 Frida Buhre*, "No History, Only Geography": *Media and the Nomad.*
- 3619. Urban Regeneration (Sponsored by Urban Geography Specialty Group)**
Room: 619 - Washington State Convention Center, Level 6
 (Paper Session)
 ORGANIZER(S): Daniel Trudeau, Macalester College
 CHAIR(S): Betka Zakirova, Freie University and Graduate Research Program Urban Ecology, Berlin
4:40 Daniel Galland*, Aalborg University; Carsten Jahn Hansen, Aalborg University, *Waterfront redevelopment processes in Aalborg, Denmark: Making sense of different planning logics.*
5:00 Carsten Jahn Hansen*, Aalborg University; Daniel Galland, Aalborg University, *The Evolution of Urban Regeneration in Aalborg (DK) - how a slow rate of change influences waterfront redevelopment policy.*
5:20 Rosa Cerarols*, Universitat Pompeu Fabra, *Uses of new methodologies in urban regeneration politics in Catalonia: the case of "Llei de barris"..*
5:40 Betka Zakirova*, Freie University and Graduate Research Program Urban Ecology, Berlin, *Shrinking Suburbs: Coping with the Decline around Berlin?.*
- 3620. Population: Networks, Structures, and Models (Sponsored by Population Specialty Group)**
Room: 620 - Washington State Convention Center, Level 6
 (Paper Session)
 ORGANIZER(S): Rachel S. Franklin, Brown University
 CHAIR(S): David O'Sullivan, University of Auckland
4:40 Rachel S. Franklin*, Brown University, *The Landscape of Diversity: County-Level Population Change in the United States, 2000-2008.*
5:00 Jordan Graesser*, Oak Ridge National Laboratory; Anil Cheriyyadath, Ph.D., Oak Ridge National Laboratory; Eddie Bright, Oak Ridge National Laboratory, *Population modeling using high-resolution imagery neighborhood statistics.*
5:20 Eddie Bright*, Oak Ridge National Laboratory, *Modeling population mobility using a hybrid aggregation-disaggregation methodology.*
5:40 James Raymer*, University of Southampton, *The IMEM model for estimating international migration flows between countries in the EU / EFTA.*
6:00 David O'Sullivan*, University of Auckland; Pablo Mateos, University College London, *Naming networks and population structure.*

THURSDAY, APRIL 14 • 4:40 PM - 6:20 PM • 3600**3621. Cartography, Land Use, Human Environment**

Room: 6ABC - Washington State Convention Center, Level 6
(Poster Session)

ORGANIZER(S): Program Committee

Tracy H Allen, Ph.D.*, SUNY-Oneonta, *The Transformation of Forest and Marsh in the Agricultural Landscape of the Lower Delmarva Peninsula.*

Amy Graham*, Oklahoma State University, *Environmental Inequality in Oklahoma: Analyzing the Distribution of Hazards Using Geographically Weighted Regression.*

Scott Ball, University of Akron; Bruce Bee, University of Akron; Joseph Gregory, University of Akron; Amy Wolf*, University of Akron, *A 30 Year Comparison of Urban Forest Changes.*

Benjamin J Ritter*, Shippensburg University, *Demographic and Urban Land Use Changes on the Delmarva Peninsula.*

Lilia F. Walsh*, University of Cincinnati; Lilia F Walsh, University of Cincinnati, *The Effect of the Presence of Burial Sites on Indigenous Maori Land Claims in New Zealand.*

William Trask*, University at Buffalo, *Detecting Land Cover Change by Selecting the Maximal Reflectance Distance Endmembers in a Supervised Classification.*

Firooza Pavri*, University Of Southern Maine, *Land use change and water quality monitoring for a managed lake system in southern Maine.*

Caitlin Grann*, Texas Tech University, *Exploring Women and Their Landscapes.*

Shaoshan An*, *soil organic carbon density and land restoration: example of southern mountain area of ningxia province, northwest china.*

Steve Rogers*, Natural Resources Canada; Brian Ballantyne, Dr., Natural Resources Canada, *Beyond potatoes to parcel envy: Renewing boundaries, land use and property rights for First Nations in Canada.*

Sarah D Lovell, Undergraduate*, University of North Alabama; Lisa Keys-Mathews, University of North Alabama, *Characterization of Land Use in China: Urbanization, People and Practices.*

Sam Whitehead*, Texas Tech University, *Using a Scenario Approach to Project the Potential Effects of Groundwater Decline on the Landscape of the Southern High Plains of Texas.*

Michael P Stier*, United States Geological Survey, *Contemporary Land Cover Change in the Colorado Plateaus Ecoregion.*

A James*, ---.

Birgit Muehlenhaus, M.Sc.*, Macalester College, *Mapping the Amish: A Visual Exploration of Settlement Patterns in the United States.*

Lisa J. Theo*, University of Wisconsin-Stevens Point; Elizabeth Roden, University of Wisconsin-Stevens Point; Ben Overholt, University of Wisconsin-Stevens Point; Nicole Michiels, University of Wisconsin-Stevens Point; Stephen Hamilton, University of Wisconsin-Stevens Point; Charles Grieman, University of Wisconsin-Stevens Point; Kylie Betzler, University of Wisconsin-Stevens Point, *A cartographic and statistical analysis of commercial land-use change in Wisconsin's Northwoods: Tomahawk, Wisconsin 1930-2000.*

Ian Muehlenhaus*, University of Wisconsin - River Falls; Mathew Dooley, Ph.D., University of Wisconsin - River Falls, *Mapping UFO Sightings: Moving Beyond the Dot Map.*

Xiaomin Qiu*, Missouri State University; Derek Wu, Missouri State University, *Sinkhole Mapping using High-Resolution DEMs and Digital Orthophotos.*

Natalie A Regan*, Bridgewater State University, *Student-Based Approach for Improving Campus Maps: Bridgewater State University.*

Deane R Lycan*, Portland State University, *Developing the Web Based Atlas of Oregon Lakes.*

Klaus J Bayr*, Keene State College, *State School Atlases and their Relevance to the National Geography Standards.*

John Kostelnick*, Illinois State University; Dave McDermott, Haskell Indian Nations University, *Evaluating Level of Abstraction and Realism on Maps and Geovisualizations for Risk Estimation.*

Anne McTavish*, San Francisco State University, *Putting the Wintu Indian Tribe of California on the map.*

John Clark Archer*, University of Nebraska; Stephen J Lavin, University of Nebraska; Fred M Shelley, University of Oklahoma, *The Atlas of the Great Plains: An Excerpt Depicting Population Distribution and Structure in the U.S. and Canadian Great Plains.*

Richard Deal*, Edinboro University of Pennsylvania, *Historical Spatial Variation of the Brewing Industry in Pennsylvania.*

Robert A. Young, (Ray)*, California State University, Fullerton, *Suburban Student Commuting and University Sustainability.*

Tammy Parece*, Virginia Tech, *Promoting environmentally relevant behavior in a university's on-campus residence halls.*

Catherine L Nakalembe*, University of Maryland, *Pastoral Karamoja.*

Carroll Courtenay*, University of Richmond; Todd Lookingbill, University of Richmond, *A Standardized and Interconnected Approach to Green Infrastructure Development in Virginia and Surrounding States Using Morphological Image Processing.*

Jesse S. Sayles*, School of Geographical Sciences and Urban Planning, Arizona State University; Kelli L. Larson, Schools of Geographical Sciences and Urban Planning and Sustainability, Arizona State University; Elizabeth M. Cook, School of Life Sciences, Arizona State University; Sharon J. Hall, School of Life Sciences, Arizona State University, *The influence of environmental values, urban structure, and neighborhood context on household-level biodiversity and plant composition.*

Robert J. Legg, PhD*, Northern Michigan University; John B. Anderton, PhD, Northern Michigan University, *A Contested Landscape in the Northern Great Lakes: Geospatial Approaches to Cultural Resource Survey on the Yellow Dog Plains in Michigan's Upper Peninsula, USA.*

Jay H. Jump*, Oklahoma State University Geography; David Seward Salisbury, University Of Richmond; Jacqueline Vadjunec, Oklahoma State University, *Indigenous Communities, Natural Resource Management, and Conservation Strategies in the Peruvian Amazon.*

Frederick Bauer*, Salisbury University; Gina Bloodworth, PhD, Salisbury University, *Human Alterations of Chesapeake Bay Hydrology: The True Extent of the Ditching System.*

Elizabeth Ellison*, Southern Illinois University-Carbondale; Nicholas Pinter, Southern Illinois University - Carbondale, *Using HAZUS-MH in Pro-Active Mitigation of Flood Risk.*

Sheila A Kazar*, Slippery Rock University, *Carbon storage and potential spectral relationships in reclaimed grassland environments.*

Jace D Pennington, Major of Environmental Geography*, USMA, *Environmental Security and Oil Exploration in the Niger Delta.*

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Kelly Muth*, *The Nuclear Energy Dilemma In The United States*.
Matthew Hunter Hepler, Masters Candidate*, Appalachian State University, *Geovisualization and Simulation of Potential Groundwater Contamination in Bias Branch, West Virginia*.

Michelle L Johnson, PhD student*, University of Maine; Robert J Lillieholm, Associate Professor, University of Maine; Christopher S Cronan, Professor, University of Maine; Spencer R Meyer, PhD student, University of Maine; Jill Tremblay, University of Maine; Jon McCloskey, Ecotrust, Seattle, WA, *Analysis of Alternative Futures of the Maine Landscape using Stakeholder-Derived Spatial Models*.

3624. The Green Apparatus? Political Technologies of the Sustainable City

Room: 301 - Washington State Convention Center, Level 3
(Paper Session)

ORGANIZER(S): Stephanie Wakefield, CUNY Graduate Center; Bruce Braun, University of Minnesota - Minneapolis

CHAIR(S): Stephanie Wakefield, CUNY Graduate Center

4:40 Bruce Braun*, University of Minnesota - Minneapolis, *Activating Habit: Design, Technical Objects and the Green Apparatus*.

5:00 Stephanie Wakefield*, CUNY Graduate Center, *What is a "Cybernetic Cooling System for an American Boxing Match Shown by Live Worldwide Television and Projected Via Real-Time Hologram in Singapore and Kuwait"?*

5:20 Tone Huse*, University of Tromsø, *Automobility, Government and Green Urbanism*.

5:40 Jennifer Gabrys*, Goldsmiths, University of London, *Citizen Sensing in the Connected Sustainable City: Linking Urban and Political Ecologies*.

6:00 Michael Karskens*, Radboud University, *The City as Emplacement. Foucault's Architectural Approach*.

3625. Postcards from Slovenia: Teachers and Researchers Reporting on Living and Working on the "Sunny Side of the Alps". (Sponsored by Recreation, Tourism, and Sport Specialty Group, Political Geography Specialty Group, European Specialty Group)

Room: 302 - Washington State Convention Center, Level 3
(Paper Session)

ORGANIZER(S): Anton Gosar, Faculty of Humanities Koper, University of Primorska

CHAIR(S): Anton Gosar, Faculty of Humanities Koper, University of Primorska

4:40 Velvet Nelson*, Sam Houston State University; Lydia M. Pulsipher*, University of Tennessee, *Teaching World Regional Geogpahy in Slovenia*.

5:00 Julian V. Minghi*, University of South Carolina, *From YU to SLO to EU: The Slovenian Scene over 50 Years*.

5:20 Toby Applegate*, Rutgers, The State University of New Jersey, *Becoming erased: The complex voices of Slovenia's izbrisani*.

Introducer: Anton Gosar

Discussant(s): Lydia M. Pulsipher, University of Tennessee

3626. Dendrochronology XI: Dendroclimatology II (Sponsored by Paleoenvironmental Change Specialty Group, Climate Specialty Group, Biogeography Specialty Group)

Room: 303 - Washington State Convention Center, Level 3
(Paper Session)

ORGANIZER(S): Christopher M. Gentry, Austin Peay State University; Henri D. Grissino-Mayer, University of Tennessee

CHAIR(S): John Sakulich, University of Tennessee

4:40 Kerry Schutten*, Department of Geography, University of Guelph; Ze'ev Gedalof, Department of Geography, University of Guelph; Andrew M Gordon, School of Environmental Sciences, University of Guelph, *A dendroclimatological analysis of the influence of soil-site factors on sugar maple (Acer saccharum Marsh.) growth response to climatic change in Algonquin Provincial Park*.

5:00 Scott St. George, Ph.D.*, University of Minnesota; Toby R. Ault, M.Sc., University of Arizona, *Temporal Instability Of The Energetic Decadal Pattern In Winter Precipitation Observed Along The Central Pacific Coast, USA*.

5:20 Yanan Li*, University of Tennessee, Knoxville; Henri D. Grissino-Mayer, University of Tennessee, Knoxville, *Stationarity and Climate Response Signals of Long-Term Oscillations in Tree-Ring Data from the Southeastern United States*.

5:40 Albert J. Parker, Department of Geography*, University of Georgia; Kathleen C Parker, Department of Geography, University of Georgia; Carrie Jensen, Department of Geography, University of Georgia, *Dendroclimatic reconstruction of drought with slash pine at Wormsloe Plantation*.

6:00 John Sakulich*, University of Tennessee; Justin L. Hart, The University of Alabama; Saskia L. van de Gevel, Appalachian State University; Nicholas N. Nagle, The University of Tennessee; Henri D. Grissino-Mayer, The University of Tennessee, *Modeling spatial variability of climate response in annual growth of eastern North American trees*.

3627. Intro Geography: Undergraduate coursework in community colleges and beyond (Sponsored by Geography Education Specialty Group, Community College Affinity Group, AAG Aligned Project)

Room: 304 - Washington State Convention Center, Level 3
(Panel Session)

ORGANIZER(S): Sarah Elizabeth Goggin

CHAIR(S): Sarah Elizabeth Goggin

Panelists: Bruce L. Seivertson, Imperial Valley College; Michelle D Sievertson; Darrel Hess, City College of San Francisco; Vienne Vu; Herschel Stern, Miracosta College; Douglas Heath, Northampton Community College

3628. Immigrants and Citizenship (Sponsored by Geographic Perspectives on Women Specialty Group)

Room: 305 - Washington State Convention Center, Level 3
(Paper Session)

ORGANIZER(S): Rebecca Dolhinow, California State University Fullerton

CHAIR(S): Heather Merrill, Hamilton College

4:40 Rebecca Dolhinow*, California State University Fullerton, *Who belongs? NGOs and citizenship formation in Mexican immigrant communities*.

5:00 Heather Merrill, Ph.D*, Hamilton College, *Silencing the Present: Refugees, and the Black Diaspora in Fortress Italy*.

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- 5:20** Lucy Jackson*, Aberystwyth University, *Immigration and citizenship: practising integration and citizenship through community engagement.*
- 5:40** Debanuj DasGupta, Doctoral Student, Department of Women's, Gender, and Sexuality Studies, The Ohio State University.; Debanuj DasGupta*, The Ohio State University, *Title: Illegal Desires; Reflections on the politics of queerness and immigration reform..*
- 3629. Current Cryospheric and Related Science in the Alaskan Arctic 2 (Sponsored by Cryosphere Specialty Group)**
Room: 306 - Washington State Convention Center, Level 3
(Paper Session)
ORGANIZER(S): Jerry Brown; Dmitry A. Streletskiy, George Washington University
CHAIR(S): Dmitry A. Streletskiy, George Washington University
- 4:40** Harley Jesse Walker*, Louisiana State University; Molly McGraw, Southeastern Louisiana University, *Depositional Trends In The Colville River Delta: 1960-2010.*
- 5:00** Nikolay Shiklomanov*, George Washington University; Dmitriy Streletskiy, George Washington University; Frederick Nelson, University of Delaware, *Ground subsidence and permafrost response to atmospheric forcing: results from field observations on the North Slope of Alaska.*
- 5:20** Gary Kofinas*, University of Alaska Fairbanks; Shuana BurnSilver, University of Alaska Fairbanks, *Sources of Community Resilience to Social-Ecological Change in Northern Alaska.*
- 5:40** Torre Jorgenson*, Alaska Ecoscience; Yuri Shur, University of Alaska Fairbanks; Tom Osterkamp, University of Alaska Fairbanks; Mikhail Kanevskiy, University of Alaska Fairbanks; Tom George, Terra-Terpret, Fairbanks; Andrew Balsler, University of Alaska Fairbanks, *Nature and Extent of Permafrost Degradation in Northern Alaska.*
- 6:00** Ronald S Sletten*, University of Washington; Nancy E Grulke, PhD, USDA Forest Service; Katherine A Glew, PhD, University of Washington, *Plant succession and soil development in naturally disturbed soils of the Okpilak, North Slope, Alaska.*
- 3630. Genetics and Biogeography (Sponsored by Biogeography Specialty Group)**
Room: 307 - Washington State Convention Center, Level 3
(Paper Session)
ORGANIZER(S): Scott Markwith, Florida Atlantic University; Kathleen C. Parker, University of Georgia
CHAIR(S): Scott Markwith, Florida Atlantic University
- 4:40** Kathleen C. Parker, Department of Geography*, University of Georgia; Dorset W. Trapnell, Department of Plant Biology, University of Georgia; J. L. Hamrick, Department of Plant Biology, University of Georgia, *Inferring Ancient Agave Cultivation Practices from Contemporary Genetic Patterns.*
- 5:00** Scott Markwith*, Florida Atlantic University, *Modeling Gene Movement in Linear Spatial Arrays..*
- 5:20** Stacy Jørgensen*, University of Hawaii at Manoa, *Spatial and landscape genetics of the ponderosa pine-pandora moth disturbance system.*
- 5:40** Matthew Miller, PhD*, Southern Connecticut State University, *Enriching landscape genetics with concepts of scale.*
- 6:00** Erica C. Antill*, UMBC; Laurajean Lewis, PhD, UMBC, *Intentional introgression of Chinese chestnut (*Castanea mollissima*) blight resistance into American chestnut (*Castanea dentata*) for ecological restoration.*
- 3631. Spaces, politics and emotions of labor in creative economies (Sponsored by Communication Geography Specialty Group)**
Room: 308 - Washington State Convention Center, Level 3
(Paper Session)
ORGANIZER(S): Jessica R Barnes
CHAIR(S): Jessica R Barnes
Introducer: Jessica R Barnes
- 4:45** Emma J.S. Angus*, Mount Holyoke College, *Scroll to e-Book: Past And Present Shifts In The Transmission Of Knowledge And Their Effects On the Socio-spatial Consumption Of Knowledge.*
- 5:05** Luis F. Alvarez*, UCLA, *The Digital Economic Geography of Hollywood: Film/TV Distribution and the Internet.*
- 5:25** Jessica R Barnes, M.A.*., The Ohio State University, *Who profits when artists pay their dues? Spaces, politics & emotion of labor in creative economies.*
- 5:45** Joshua Long, Ph.D.*., Franklin College Switzerland, *Sense of Place and the Neoliberal City: Sites of "Weird" Resistance.*
Discussant(s): Dominic J. Power
- 3633. Population: Models and Distribution**
Room: 310 - Washington State Convention Center, Level 3
(Paper Session)
ORGANIZER(S): Program Committee
CHAIR(S): Tyler D Roberts, University of Colorado at Boulder
- 4:40** Chengbin Deng*, University of Wisconsin-Milwaukee; Changshan Wu, University of Wisconsin-Milwaukee, *Improving small-area housing unit and population estimation using remote sensing and GIS.*
- 5:00** Lola Gulyamova*, National University of Uzbekistan, *Spatial-temporal Dimension of Evolution of the Population Distribution in Uzbekistan.*
- 5:20** Marie Urban*, Oak Ridge National Laboratory; Eddie Bright, Oak Ridge National Laboratory; Robert Stewart, Oak Ridge National Laboratory; Ron Lee, Oak Ridge National Laboratory; Linda Sylvestre, Oak Ridge National Laboratory, *Creating a Database for Demographic and Socio-cultural Characteristics.*
- 5:40** Lesli Rawlings*, Wayne State College, *Creative Measures for Public School District Survival in Nebraska's Small Towns.*
- 6:00** Tyler D Roberts*, University of Colorado at Boulder, *Does employment matter in urban-scale CO2 production? Accounting for production, economic base, and spatial effects in STIRPAT modeling at metropolitan and micropolitan scales..*
- 3634. Urban Foods 5: Exploring Spatial Disparities in Food Availability Across the Rural/Urban Divide (Sponsored by Geographic Information Science and Systems Specialty Group, Ethics, Justice, and Human Rights Specialty Group, Health and Medical Geography Specialty Group)**
Room: 3A - Washington State Convention Center, Level 3
(Paper Session)
ORGANIZER(S): Daniel R. Block, Chicago State University; Jennifer Black, University of British Columbia
CHAIR(S): Timothy Hawthorne, Columbus State University
- 4:40** Kristen Grady*, The Graduate Center The City University of New York; Juliana Maantay, Ph.D., M.U.P., Lehman College The City University of New York, *Mapping Food Deserts in the Bronx, New York: Creating a Spatial Index Model Using GISc.*
- 5:00** Jennifer L. Black, PhD RD*, University of British Columbia; Richard Carpiano, PhD, University of British Columbia; Nathanael Lauster, PhD, University of British Columbia; Stuart Fleming, University of British Columbia, *Exploring the Distribution of Food Stores in British Columbia: Associations with*

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Neighborhood Socio-Demographic Factors and Urban Form.

5:20 Amanda Coleman*, Arkansas State University, *Gender and Food (In)Security in Rural Areas of the United States: A Case Study from Eastern Arkansas.*

5:40 Daniel R. Block*, Chicago State University; Shannon Zenk, University of Illinois-Chicago; Angela Odoms-Young, University of Illinois-Chicago; Noel Chavez, University of Illinois-Chicago; Richard Campbell, University of Illinois-Chicago, *Mapping Food Access, Race, and Income in Northern Illinois.*

3635. Political Geography Plenary: Wounded Cities (Sponsored by Political Geography Specialty Group)

Room: 3B - Washington State Convention Center, Level 3 (Panel Session)

ORGANIZER(S): Philip E. Steinberg, Florida State University; John V. O'Loughlin, University of Colorado

CHAIR(S): Philip E. Steinberg, Florida State University

Introducer: Philip E. Steinberg

Discussant(s): Rob Shields, University of Alberta; Jeff Garmany, University of Arizona; Kevin Ward, University of Manchester

Panelists: Karen E. Till, Virginia Tech University

3636. Author Meets Critics: "The Contours of America's Cold War" (Matthew Farish, 2010) (Sponsored by Political Geography Specialty Group, Historical Geography Specialty Group)

Room: 201 - Washington State Convention Center, Level 2 (Panel Session)

ORGANIZER(S): John Paul Catungal, University of Toronto

CHAIR(S): Deborah Cowen, University of Toronto

Panelists: Matthew Farish, Department of Geography, University of Toronto; Mona Domosh, Dartmouth College; Scott Kirsch, University of North Carolina; Joanne P. Sharp, University of Glasgow; Felix FS Driver, Royal Holloway, University of London

3637. From Co-Production to Co-optation: The Multi-Scalar Politics of Community Organizing for Resource Governance (Sponsored by Cultural and Political Ecology Specialty Group)

Room: 202 - Washington State Convention Center, Level 2 (Paper Session)

ORGANIZER(S): Sarah Romano, University of California, Santa Cruz; Kathleen O'Reilly, Texas A&M University

CHAIR(S): Sarah Romano, University of California, Santa Cruz

4:40 Daniel Klooster*, University of Redlands, *Building a Network to Achieve Rural Environmental Governance: Environmentally-Certified, Community-Made Furniture in Oaxaca.*

4:55 Krishna K. Shrestha*, The University of Sydney, *The equity-equality paradox in Nepalese community forestry.*

5:10 Sarah T. Romano*, University of California, Santa Cruz, *Navigating Political Waters: The Role of State-Society Networks in Nicaragua's Rural Water Governance.*

5:25 Kathleen O'Reilly*, Texas A&M University; Richa Dhanju, Texas A&M University, *Big change for small change: water governance reform in north India.*

5:40 Keith Lindner, PhD Candidate*, Syracuse University, *Governing the Returned Commons: Law, Property, and Nature in San Luis, Colorado.*

3638. Hazards and GIScience 2: Emergency Response (Sponsored by Geographic Information Science and Systems Specialty Group, Remote Sensing Specialty Group, Hazards Specialty Group)

Room: 203 - Washington State Convention Center, Level 2 (Paper Session)

ORGANIZER(S): Rutherford V. Platt, Gettysburg College; Michael E Hodgson, University of South Carolina

CHAIR(S): Tom Cova, University of Utah

4:40 Gernot Paulus*, School of Geoinformation, Carinthia University of Applied Sciences; Grant Fraley, San Diego State University, Department of Geography; Piotr Jankowski, San Diego State University, Department of Geography, *A new approach for evacuation planning by linking natural hazard risk modeling with genetic algorithms.*

5:00 Gregg C. Bowser*, University of South Carolina; Michael E. Hodgson, University of South Carolina, *The Use of Post-Event LiDAR Data for Building Damage Assessment.*

5:20 Shane Hubbard, The University of Iowa; Kathleen Stewart Hornsby*, University of Iowa; Emily White, The University of Iowa; Junchuan Fan, The University of Iowa, *A spatiotemporal campus building evacuation model.*

5:40 Gregory K. Fryer*, University of Utah; Philip E. Dennison, Ph.D, University of Utah; Thomas J. Cova, Ph.D, University of Utah, *Wildland Firefighter Entrapment Avoidance: Developing Evacuation and Shelter-In-Place Trigger Points Utilizing the WUIVAC Evacuation Trigger Model.*

6:00 Tom Cova*, University of Utah, *Modeling the decision of whether to stay or go in a wildfire.*

3639. The International Journal of Urban and Regional Research Lecture: Here Comes Everybody? Problematizing the Right to the City (Sponsored by International Journal of Urban and Regional Research)

Room: 204 - Washington State Convention Center, Level 2 (Panel Session)

ORGANIZER(S): Julie-Anne Boudreau, University of Quebec

CHAIR(S): Julie-Anne Boudreau, University of Quebec

Panelists: Andy Merrifield, none

3640. Applied Geography and Education Panel Session (Sponsored by Applied Geography Specialty Group, Geography Education Specialty Group)

Room: 205 - Washington State Convention Center, Level 2 (Panel Session)

ORGANIZER(S): Nairne Cameron, Algoma University

CHAIR(S): Nairne Cameron, Algoma University

4:40 Bill Hodge, Full Member

Panelists: Edwin Butterworth, CICI International; Dawna L. Cerney, Youngstown State University; Kingsley E. Haynes, George Mason University; William J. Gribb, University Of Wyoming; Robert B. Honea, Retired; Brandon Vogt, University of Colorado Colorado Springs

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- 3641. Water and Human Well-being: Case Studies from Asia**
Room: 206 - Washington State Convention Center, Level 2
(Paper Session)
ORGANIZER(S): Program Committee
CHAIR(S): Kumkum Bhattacharyya, University of Michigan
4:40 Saravanan V Subramanian*, Centre for Development Research, University of Bonn, Germany, *Water and Human Health in South Asia: Emerging Challenges for Governing Risk from Water-Related Diseases.*
5:00 Monika Kannan, Dr*, sophia girls college ajmer; Sunita Pachouri, Dr, Govt. College Ajmer, *Drought Mitigation in Rajasthan Through Remote Sensing and Gis.*
5:20 Juan Rodriguez-Garibay*, "Ganga Ma": *Water Related Issues in India's Ganges River.*
5:40 Kumkum Bhattacharyya*, University of Michigan; Kumkum Bhattacharyya, University of Michigan, *Chars (Sandbars) and Flood adaptation: Riparian Communities in the Lower Damodar River (Eastern India).*
- 3642. New perspectives: Interacting with world cities from the periphery (Sponsored by Urban Geography Specialty Group)**
Room: 211 - Washington State Convention Center, Level 2
(Paper Session)
ORGANIZER(S): Bjoern Surborg, University of British Columbia
CHAIR(S): Bjoern Surborg, University of British Columbia
4:40 Björn Surborg*, University of British Columbia, *Quo Vadis world city research? Regrounding world cities in world-systems theory.*
5:00 Patrick Bond, PhD*, University of KwaZulu-Natal, *Limits of Interurban Entrepreneurialism in Durban, South Africa.*
5:20 Natalie R. Koch*, U of Colorado, Boulder, *Oil and order in Astana: The political economy of building Kazakhstan's new capital.*
5:40 James D Sidaway*, University of Amsterdam, *Gulf cities, spectacular urbanization and the company of men: Abu Dhabi's trajectory through the lives of South Asian migrants.*
Discussant(s): Elvin K. Wylly, University of British Columbia
- 3643. Material Culture and Geography II (Sponsored by Landscape Specialty Group, Cultural Geography Specialty Group)**
Room: 212 - Washington State Convention Center, Level 2
(Paper Session)
ORGANIZER(S): Sara Beth Keough, Saginaw Valley State University
CHAIR(S): Sara Beth Keough, Saginaw Valley State University
4:40 Ola Johansson*, University of Pittsburgh at Johnstown, *What's Swedish about Swedish Music?.*
5:00 Matthew Liesch*, University of Wisconsin-Madison, *Building Façades Within Keweenaw National Historical Park: The Regional Controversy Over a Local Door.*
5:20 Athena Goodfellow*, McMater University, *Google image & representations of others: Why isn't anyone looking?.*
5:40 Michelle Marie Metro-Roland, Ph.D.*, Western Michigan University, *Architextuality: The Material Manifestation of Culture in Stone.*
- 3644. Art in the City (Sponsored by Urban Geography Specialty Group)**
Room: 213 - Washington State Convention Center, Level 2
(Paper Session)
ORGANIZER(S): Julie Cidell, University of Illinois
CHAIR(S): Norman Carter, San Diego State University
4:40 Pedro Costa*, Dinâmia-CET / ISCTE - Lisbon University Institute, *Public Spaces Appropriation and Urban Creative Dynamics: A Photographic Approach to 3 Cultural Districts in Lisboa, Barcelona and São Paulo.*
5:00 Jihwan Yoon*, Kyung Hee University; Sungjae Choo*, Kyung Hee University, *The Production of Urban Space and Appropriation Activity: A Case of Mullae Art Village in Seoul.*
5:20 Suwathna Reel, B.A. *, Temple University, *Re-painting Space: Using GIS for Murals in Philadelphia, PA.*
5:40 Norman Carter*, San Diego State University, *The Art Walk as Housing Promotion: A Case Study in Los Angeles.*
Discussant(s): Brenda A Kayzar, University of Minnesota
- 3645. Tribute to Robin Davidson-Arnott VI: Coastal Habitat and Marshes (Sponsored by Coastal and Marine Specialty Group, Geomorphology Specialty Group)**
Room: 214 - Washington State Convention Center, Level 2
(Paper Session)
ORGANIZER(S): Chris Houser, Texas A&M University; Jean Taylor Ellis, University of South Carolina
CHAIR(S): Chris Houser, Texas A&M University
- 3646. Wildlife Conservation and Management (Sponsored by Animal Geography Specialty Group)**
Room: 2A - Washington State Convention Center, Level 2
(Paper Session)
ORGANIZER(S): Elizabeth Walton, Southern Illinois University Edwardsville
CHAIR(S): Elizabeth Walton, Southern Illinois University Edwardsville
4:40 Elizabeth Walton*, Southern Illinois University Edwardsville, *Box turtles (Terrepenes spp.) as Agents in Seed Dispersal of the Invasive Plant species Autumn Olive, (Elaeagnus umbellata) and Amur Honeysuckle (Lonicera maackii).*
5:00 Sarjana Khadka*, Southern Illinois University Edwardsville; Elizabeth M Walton, Ph.D., Southern Illinois University Edwardsville, *Analysis of Repatriated Turtles to their Natural Habitat.*
5:20 Andrew Evans*, University of New Orleans, *Habitat Limitations of Nutria, Myocastor coypus, in urban waterways of Orleans Parish.*
5:40 John Maingi*, Miami University; Daniel Kyale, Kenya Wildlife Service, *Spatiotemporal Patterns of Elephant Poaching in the Tsavo Conservation Area, Kenya.*
6:00 D.A. Giles*, University of California, Davis; Kari Koski, The Whale Museum - Soundwatch Boater Education Program; Rose Cendak, MA, Research Scientist in Biostatistics and Epidemiology; Office of Environmental Health Hazard Assessment, Cal/EPA, *Determining habitat use and assessing potential effects of vessels on the spatial structure of Southern Resident Killer Whales using GIS and remote sensing equipment.*

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Room: 2B - Washington State Convention Center, Level 2
(Illustrated Paper Session)

ORGANIZER(S): Adriana Martinez, University of Oregon; Tu Denise, University of Oregon

CHAIR(S): Adriana Martinez, University of Oregon

4:40 Tu Denise*, University of Oregon, *Monitoring Methods: River Bed Change Associated with Engineered Logjams.*

4:45 Adriana Martinez*, University of Oregon, *The Reciprocal Nature of Stream Morphology and Non-Native Vegetation Interactions.*

4:50 Paul Blanton, PhD*, Southern Oregon University, *How to manage for disturbance in the riverscape? Remote sensing, modeling, and emerging theory in river science..*

4:55 Zachary Wehrmann*, University of Mary Washington, *Monitoring of Erosion on Hazel Run, Fredericksburg, VA.*

5:00 Andrew R DeWitt*, Missouri State University; Marc Owen, Missouri State University; Robert T Pavlowsky, Ph.D, Missouri State University, *Downstream changes in channel morphology and flood capacity in an Ozarks Watershed, Southwest Missouri.*

5:05 Brian C Chaffin*, Oregon State University, *Characterizing Collaboration in the Klamath River Basin, USA: An Exercise in Institutional Mapping.*

5:10 Amanda Reinholtz*, University of Oregon, *Public Participation GIS and Hydrologic Modeling.*

5:15 Martin C. Roberge*, Towson University; Benjamin Allen, Towson University, *An Assessment of Mill Dams as a Potential Source of Suspended Sediment.*

5:20 Stephen Taylor, PhD*, Western Oregon University; Bryan E. Dutton, PhD, Western Oregon University; Ryan Stanley, Western Oregon University, *Invasive Plant Distribution and Land-Cover Change in the Luckiamute River Basin, Central Oregon Coast Range.*

5:25 Dale Splinter*, University of Wisconsin-Whitewater, *Community-Based Watershed Monitoring: Allen Creek, Wisconsin.*

5:30 Robert A Bean*, Portland State University; Daniel Uthman*, Portland State University, *The Influence of Reservoirs on Upland Soils.*

5:35 Michael L. Hughes*, Klamath Tribes Research Station; Caroline Nash, Yale University, *Using LIDAR and georectified aerial photos to understand meander changes of the Wood River, Upper Klamath Basin, Oregon.*

5:40 Scott Odaniel*, umatilla tribes, *Predicting Steelhead and Spring Chinook habitats using continuous physical habitat parameters in the Umatilla, Grand Ronde and Walla Walla River watersheds.*

3648. Immigrants in the USA

Room: Cirrus Ballroom - Sheraton Hotel, Pike Tower, Thirty Fifth Floor
(Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Teresa Gomez, Brigham Young University

4:40 Gregory Chase*, University of Denver; Eric Boschmann, Dr., University of Denver, *Sugar beet agriculture and Mexican migration to Colorado between 1920 and 1940.*

5:00 José M. Cajigas-Flores*, The University of Akron, *Puerto Ricans in Cleveland, Ohio: The Humanization of the Place.*

5:20 James Chaney, Ph.D. Candidate*, Louisiana State University, *Flexible Identities: Placing Garifuna Immigrants in New Orleans.*

5:40 Teresa Gomez*, Brigham Young University; Thalassa Jones*; Aaron R Petterborg, Brigham Young University, *The Effects of Migration on Salvadoran Families.*

6:00 Paul A Fernald*, University of Connecticut, *Asian Americans in Connecticut: Settlement Patterns.*

3650. Integrating Data in GIS Research

Room: Boren - Sheraton Hotel, Union Tower, Fourth Floor
(Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Joao Abreu, Catholic University of Minas Gerais

4:40 Michael Tiefelsdorf*, U of Texas at Dallas, *Local Indicators of Spatial Association and the Multiple Comparison Problem.*

5:00 Edwin Chow*, Texas State University - San Marcos; Nathaniel Dede-bamfo, Texas State University - San Marcos, *Characteristics of Geographic Bias in Address Matching.*

5:20 Thomas Christoffel, AICP, MeRSA*, Regional Community Development News, *Global Region-builder Geo-Code Prototype.*

5:40 Jeroen Wagendorp, AICP, GISP*, Grand Valley State University, *An Analysis of Geographically Relevant Content in Michigan Statutes: A frontier for public sector enhancement and curricular opportunities..*

6:00 Joao F Abreu*, Catholic University of Minas Gerais; Marcelo F Porto, Federal University of Minas Gerais, *Janelle's Time-Space Model - A Computer Application.*

3651. Condominium in the City (Sponsored by Urban Geography Specialty Group)

Room: Columbia - Sheraton Hotel, Union Tower, Fourth Floor
(Paper Session)

ORGANIZER(S): Douglas Harris, Faculty of Law, University of British Columbia; Ute Lehrer, York University

CHAIR(S): Will Poppe, York University

Introducer: Will Poppe

4:43 Douglas Harris*, Faculty of Law, University of British Columbia, *Condominium and the City: The Rise of Property in Vancouver.*

5:01 Ute Lehrer, Associate Professor*, York University, *Condominium boom in the suburb?.*

5:19 Tomoko KUBO*, University of Tsukuba; Ryo Koizumi, Tokyo Metropolitan University; Hiroyasu Nishiyama, Meiji University; Mikoto Kukimoto, The University of Tokyo; Taro Kawaguchi, Meiji University, *Transformation of Residential Structure in Central Tokyo: A Case of Condominium Development in Toyosu, Tokyo..*

5:37 Yoshimichi Yui, Dr.*, Hiroshima University; Tomoko Kubo, University of Tsukuba, *Diversification of household structure and housing supply in central Tokyo: a new type of gentrification by single women.*

Discussant(s): Kate Shaw, University of Melbourne

3652. The Political Economy of the Shadow State III: Housing and Shelter (Sponsored by Urban Geography Specialty Group)

Room: Jefferson - Sheraton Hotel, Union Tower, Fourth Floor
(Paper Session)

ORGANIZER(S): Anne Bonds, University of Wisconsin, Milwaukee; Judith T. Kenny, University Of Wisconsin-Milwaukee

CHAIR(S): Anne Bonds, University of Wisconsin, Milwaukee

4:40 Sally Turner*, University of Toronto; Jason Hackworth, University of Toronto, *'A Hand-Up, Not a Hand-Out': The Normalization of Non-Profit Welfare in the Media.*

5:00 Anne Bonds*, University of Wisconsin, Milwaukee; Judith T. Kenny*, University Of Wisconsin-Milwaukee,

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"Partnership Housing"?: Habitat for Humanity, Affordable Housing, and the Relational Construction of the Shadow State.

5:20 Christine L. Jocoy*, California State University - Long Beach, *Redeveloping military bases: Not-for-profit homeless service providers and the local state.*

5:40 Jurgen Von Mahs*, The New School, *The Changing Role of Non-Profits in the Provision of Homeless Services in Berlin.*

Discussant(s): Robert W. Lake, Rutgers University

3656. Maps and Society for the 21st Century (Sponsored by Cartography Specialty Group)

Room: *Seneca - Sheraton Hotel, Union Tower, Fourth Floor*
(Interactive Short Paper Session)

ORGANIZER(S): Jeong Chang Seong, University of West Georgia; Chulsue Hwang, Kyung Hee University

CHAIR(S): Wook Lee, Edinboro University of Pennsylvania

4:40 Jiman Park*, Korean Land Spatialization Group; Jiman Park, Korean Land Spatialization Group; Kisung Song, Korean Land Spatialization Group; Junghun Lee, Korean Land Spatialization Group; Byungguk Kim, Korean Land Spatialization Group, *Final Design of Test-bed in Korean Land Spatialization Program.*

4:45 Seonggook Moon*, Kyung Hee University; Chulsue Hwang, Kyung Hee University, *Evaluating the Usability for the Web-based Maps.*

4:50 Chungweon Oh, Prof.*, Namseoul Univ., *Integration between GIS and BIM.*

4:55 Jinmu Choi*, Sangmyung University, Seoul, Korea; Jongduck Park, Sangmyung University, *Flooding Event and Evacuation Path Decision.*

5:00 Sunyurp Park*, Pusan National University (Geography), *Assessment of cloud effects on MODIS VI composite schemes: a case of the Korean Peninsula.*

5:05 Byoungjae Lee*, Washington & Jefferson College, *The Research about Person Environment Behavior near Boundaries for Context Aware Location Based Service.*

5:10 Woonup Choi, Ph.D., University of Wisconsin-Milwaukee; Anke Keuser*, University of Wisconsin-Milwaukee; Stefan Becker, Ph.D., CUNY-Lehman College, *Mapping Temperature Variations over Minnesota and Wisconsin from North American Regional Reanalysis.*

5:15 Minh Kim*, Centers for Disease Control and Prevention (CDC); James B Holt, Centers for Disease Control and Prevention; Janet B Croft, Centers for Disease Control and Prevention, *Object-based swimming pool extraction using GeoEye-1 satellite image.*

5:20 Leanna Shea Rose*, University of West Georgia; Jon Allyn Indridason, University of West Georgia, *Impacts of Urban Vegetation on Community Albedo.*

5:25 Jeong C. Seong*, University of West Georgia; Shea Rose, University of West Georgia, *Mapping with LiDAR - Opportunities and Challenges.*

5:30 Chulsue Hwang*, Kyung Hee University, *How to Evaluate the Socio-economic Value of the National Project of New Cadastral Maps.*

5:35 Wook Lee*, Edinboro University of Pennsylvania, *Regional variation in commuting.*

3658. Economy, Society and the State

Room: *University - Sheraton Hotel, Union Tower, Fourth Floor*
(Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Roger W. Pearson, University of Alaska

4:40 Colin Reisser*, The George Washington University; Wesley Reisser*, UCLA, *The Rebirth of Poland - the Divergence of National Self-Determination & Economic Peace.*

5:00 Chris Hurl*, Department of Sociology and Anthropology, Carleton University, *Public Works: Rethinking State Formation through Labour Geographies.*

5:20 Rebecca Clouser*, Indiana University, *The overlooked dynamic of fear in development relationships: A Guatemalan Case Study.*

5:40 Victor Short*, University of Toronto, *Prairie Freigeld: Alberta Social Credit and the political geography of 'funny money', 1935-1938.*

6:00 Roger Pearson*, University of Alaska, *The Impact of Walter Hickel on Alaska's Post-Statehood Landscape.*

3659. The new urban green: vacant land

Room: *Virginia - Sheraton Hotel, Union Tower, Fourth Floor*
(Paper Session)

ORGANIZER(S): Hamil Pearsall, Clark University

CHAIR(S): Susan Lucas, Temple University

4:40 Hamil Pearsall*, Clark University; Zachary Christman, Rutgers University, *Tree-lined lanes or vacant lots? Evaluating non-stationarity between urban greenness and social structure in Philadelphia, Pennsylvania, USA with geographically weighted regression.*

5:00 Joern Langhorst, Dipl.Ing, MLA*, University of Colorado Denver, College of Architecture and Planning; Jeremy Nemeth, PhD, University of Colorado, College of Architecture and Planning, *Vacant, abandoned and underutilized: Landscape as infrastructure in Denver, Colorado.*

5:20 Sig Langegger, Master of Regional and Urban Planning*, University of Colorado Denver, *Toward a Community Garden Typology: A Heterotopic Cluster Analysis of Denver's Community Gardens.*

5:40 Katherine E Foo, Geography PhD Student*, Clark University, *Participatory landscape design as a community development tool in a Boston neighborhood.*

6:00 Jennifer Foster*, York University, *Hiding in plain view: Ecological and social possibilities on Paris' abandoned rail tracks.*

3661. Perspectives on Environmental Justice (Sponsored by Urban Geography Specialty Group)

Room: *Ballard - Sheraton Hotel, Pike Tower, Third Floor*
(Paper Session)

ORGANIZER(S): Julie Cidell, University of Illinois

CHAIR(S): Kirsten Schwarz, University of California, Davis

4:40 Mai Nguyen*, University of Toronto, *Approaching Environmental Justice Through a Deconstruction of the Metaphors We Live By.*

5:00 Lindsey Dillon*, UC Berkeley, *Race, Place, and Toxic Waste: The Emergence of Environmental Justice Politics in Bayview-Hunters Point.*

5:20 John H Giles Jr*, Syracuse University Maxwell School of Geography, *Spatial Justice in the City: Representing past geographies of the South Salina Neighborhood of Syracuse, NY.*

5:40 Byong-Woon Jun*, Kyungpook National University, *Exploring the Spatially Varying Relationship between Environmental Justice and Quality of Life: An Application of GWR.*

6:00 Kirsten Schwarz*, University of California, Davis; Weiqi Zhou, University of California, Davis; Mary L. Cadenasso, University of California, Davis, *The association between tree canopy cover, race, education, and income in Sacramento, CA: a tale of two scales.*

THURSDAY, APRIL 14 • 4:40 PM - 6:20 PM • 3600**3665. China's Borderlands (Sponsored by China Specialty Group)**

- Room: *Greenwood - Sheraton Hotel, Union Tower, Third Floor*
(Paper Session)
ORGANIZER(S): Piper Gaubatz, University Of Massachusetts
CHAIR(S): Stanley Toops, Miami University
4:40 Xiaobo Su*, University of Oregon, *From Periphery to Bridgehead: Cross-border regionalization and the experience of Yunnan, China.*
5:00 Po-Yi Hung*, University of Wisconsin - Madison, *Assembling "Tea-scape": Tea Production and the Contested Meanings of Borderlands in Southwest China.*
5:20 Choon Piew POW*, National University of Singapore, *'Playing Catch-Up?': Developmental Dilemmas of a Southwestern Border City in China.*
5:40 Liang Wang*, *Governance, Regional Endowment and the Development of Border Economic Zone: A Survey of Horgos and Alashankou in Xinjiang Province, China.*
6:00 Stanley Toops*, Miami University, *Development and Demographic Prospects of the Xinjiang Work Forum May 2010.*

3666. The Politicized Environment in Putin's Russia (Sponsored by Russian, Central Eurasian, and East European Specialty Group)

- Room: *Issaquah A - Sheraton Hotel, Union Tower, Third Floor*
(Paper Session)
ORGANIZER(S): Nathaniel S. Trumbull, University of Connecticut; Jeremy Tasch, Towson University
CHAIR(S): Nathaniel S. Trumbull, University of Connecticut
4:40 Grigory Ioffe*, Radford University; Kirsten De Beurs, Oklahoma University; Tatyana Nefedova, Institute of Geography, *Land abandonment in Russia.*
5:00 Mikhail S Blinnikov, PhD*, St. Cloud State University, *Khimki Chainsaw Massacre: A Case Study of Green (Dis)obedience in Newly Capitalist Russia.*
5:20 Kathleen E. Braden, Ph.D.*, *Poaching and Biodiversity Loss in the Russian Federation.*
5:40 Nathaniel S. Trumbull*, University of Connecticut, *Evolution of Public Environmental Impact Assessment in Putin's Russia.*
Discussant(s): Bella Bychkova Jordan, University of Texas - Austin

3667. Local Communities and Productive Landscapes in Latin America

- Room: *Issaquah B - Sheraton Hotel, Union Tower, Third Floor*
(Paper Session)
ORGANIZER(S): Program Committee
CHAIR(S): Christian Abizaid, University of Toronto
4:40 Santiago Lopez*, UWB, *Landscape change in Western Amazonia: Spatial implications of village formation on riverine and interfluvial biotopes.*
5:00 Richard Vercoe*, University of Wyoming, Graduate Student, *The cultural ecology of the "Trueque Chilote", potato-wood barter trade routes, in the Chiloé Region of Chile.*
5:20 Christian Abizaid*, University of Toronto; Oliver T. Coomes, McGill University; Yoshito Takasaki, University of Tsukuba; Stephanie Brisson, McGill University, *Social network analysis and peasant agriculture: cooperative labor as relational networks.*
5:40 Kerry E Grimm*, Oregon State University, *What's behind your back? (Mis)Trust at a conservation volunteer project in Ecuador.*

3668. 'New' gendered and sexual politics for 'new' equalities landscapes? Session 5 Closing Panel (Sponsored by Sexuality and Space Specialty Group)

- Room: *Kirkland - Sheraton Hotel, Union Tower, Third Floor*
(Panel Session)
ORGANIZER(S): Catherine Jean Nash; Kath Browne, University of Brighton
CHAIR(S): Kath Browne, University of Brighton
Panelists: Kath Browne, University of Brighton; Diane Richardson, Newcastle University, UK; Tiffany K. Muller Myrdahl, University of Lethbridge; Nathaniel Lewis, Queen's University

3670. Tourism and Local Culture

- Room: *Medina - Sheraton Hotel, Union Tower, Third Floor*
(Paper Session)
ORGANIZER(S): Program Committee
CHAIR(S): Michelle Gomez, Hunter College
4:40 Kirsten Ray*, *Questioning Aboriginal Stereotypes in Australian Tourism Publications.*
5:00 Martin Young, BA (Hons1) UNE, PhD (JCU)*, Charles Darwin University; Bruce J Doran, BSc (ANU) PhD (ANU), Australian National University, *Gambling Venues, Race-Relations, and the Remote Periphery: A Case-Study of the Alice Springs Casino, Northern Territory, Australia.*
5:20 Ryan Goode*, SDSU, *Sustainable Favela Tourism in Rio de Janeiro.*
5:40 Adam W Keul*, Florida State University, *"Wild Cajun Swamp: natural hybridity in the Atchafalaya Basin".*
6:00 Michelle Gomez*, Hunter College, *The Hawaii Superferry: Nature, Protests, and Inter-Island Identities.*

3672. Moving mountains in Zomia: Ethnicity and livelihoods in highland China and Vietnam (Sponsored by China Specialty Group, Indigenous Peoples Specialty Group, Mountain Geography Specialty Group)

- Room: *Metropolitan Ballroom B - Sheraton Hotel, Third Floor*
(Paper Session)
ORGANIZER(S): Sarah Turner, McGill University
CHAIR(S): Jean Michaud, Université Laval
4:40 Sarah Turner*, McGill University, *'Zomia' livelihoods? Ethnic minority trading-scapes and livelihoods in the Sino-Vietnamese borderlands.*
5:00 Stephane Gros*, CNRS, *The Sloping Land Conversion Policy and the Question of Biocultural Heritage: Increased Marginalization of the Drung of Northwest Yunnan, China.*
5:20 Margaret Swain*, University of California, Davis, *Ethnic Tourism in Zomia's Contact Zones.*
5:40 Christine Bonnin*, McGill University, *Bottling Tradition: Exploring Power Dynamics along the Commodity Chain in Upland Artisanal Alcohols in Northern Vietnam (Lao Cai Province).*
Discussant(s): Jean Michaud, Université Laval

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- 3673. Environmental Contamination in Soils and Sediments**
Room: *Queen Anne - Sheraton Hotel, Union Tower, Third Floor*
(Paper Session)
ORGANIZER(S): Program Committee
CHAIR(S): Gregory Vandenberg, University Of North Dakota
4:40 Salvatore Engel-DiMauro*, SUNY New Paltz, *Soil Acidification in SW Hungary: Preliminary Results.*
5:00 Charles W. Martin*, Kansas State University, *Recent Changes in Heavy Metal Storage at Near-Channel Positions along the Lahn River, central Germany.*
5:20 Ursula AB Garfield*, United States Geological Survey; Willie G Harris, PhD., University of Florida; Ann M Foster, United States Geological Survey, *Mineralogical and Chemical Analyses of Kissimmee River Sediment and Soils.*
5:40 Gregory Vandenberg*, University Of North Dakota; Cami Dixon, U.S. Fish and Wildlife Service; Brian Vose, U.S. Fish and Wildlife Service, *Water and Sediment Quality Adjacent to Swine Feeding Operations in the Vicinity of Lake Alice National Wildlife Refuge, North Dakota.*
- 3674. Food and Alterity in a Diverse Economy: Exploring a Politics of Possibility (3) (Sponsored by Cultural and Political Ecology Specialty Group, Geographic Perspectives on Women Specialty Group, Economic Geography Specialty Group)**
Room: *Ravenna - Sheraton Hotel, Union Tower, Third Floor*
(Paper Session)
ORGANIZER(S): Edmund Harris, Clark University; Eric Sarmiento
CHAIR(S): Eric Sarmiento
4:40 Andrew Davey*, University of Wisconsin-Madison Dept. of Geography, *Beyond Hippies, Hipsters, and Hyperpatriots: Why Liberals and Conservatives Show Up to Midwest Farmers Markets.*
5:00 Edmund Harris*, Clark University, *Rethinking Scale in Local Food Politics: Localism as Enabling Political Practice.*
5:20 Ted White*, University of Massachusetts Amherst, *Harvesting Economic Possibility? Community Supported Agriculture as a Catalyst for Diverse Economic Practices.*
Discussant(s): Gerda Roelvink, University of Western Sydney
- 3676. Species Movement & Migration Modeling (Sponsored by Space-Time Symposium)**
Room: *Aspen Room - Sheraton Hotel, Second Floor* (Paper Session)
ORGANIZER(S): Space-Time Symposium Organizing Committee
CHAIR(S): Trisalyn Nelson, University of Victoria
4:40 Helen Enander*, Michigan Natural Features Inventory, Michigan State University; Joelle L Gehring, Michigan Natural Features Inventory, Michigan State University; Edward H Schools, Michigan Natural Features Inventory, Michigan State University, *Using NEXRAD radar to analyze migration concentration areas in Michigan and the Great Lakes.*
5:00 Jed A Long*, University of Victoria; Trisalyn A Nelson, University of Victoria, *Advances in Wildlife Telemetry Data: An Opportunity for Space-Time Geography.*
5:20 Bilal Butt*, University of Wisconsin - Madison; Matthew Turner, University of Wisconsin - Madison; Aditya Singh, University of Wisconsin - Madison; Leif Brottem, University of Wisconsin - Madison; Alvin Rentsch, University of Wisconsin - Madison, *Scaling thresholds, pastoral livestock mobility and seasonal access to forage resources in semi-arid West Africa.*
5:40 Trisalyn Nelson*, University of Victoria, *Geographic methods for quantifying spatial-temporal patterns in grizzly bear habitat use.*
- 3677. Studying transportation, housing and social issues from spatio-temporal data (Sponsored by Space-Time Symposium)**
Room: *Cedar Room - Sheraton Hotel, Second Floor* (Paper Session)
ORGANIZER(S): Donggen Wang, Hong Kong Baptist University; Mei-Po Kwan, Ohio State University
CHAIR(S): Donggen Wang, Hong Kong Baptist University
4:40 Zhang Jingqiu*, *Spatial Analysis on Urban Internal Economic Spatial Structure Based on Office Buildings Rent.*
5:00 FEI LI*, Hong Kong Baptist University; Donggen Wang, Doctor, Hong Kong Baptist University, *A Space-Time Approach to Studying Social Segregation in Physical and Virtual Spaces.*
5:20 Li Chen*, Institute of Geographical Sciences and Natural Resource Research, CAS; Wenzhong ZHANG, Doctor, Institute of Geographic Sciences and Natural Resources Research, CAS; Yunxiao Dang, Institute of Geographic Sciences and Natural Resources Research, CAS, *Residential Differentiation of Low-income Residents under Market Transition: a Case Study of Beijing.*
5:40 Yan Zhang, Visiting Scholar, Department of Geography, the Ohio State University; PhD Candidate, Department of urban and economic geography, College of Urban and Environmental Sciences, Peking University; Yanwei Chai, Doctor*, College of Urban and Environmental Sciences, Peking University, Beijing, China, *Gender Differences of Space-time Activity Pattern in Two-Earner Household in Transitional Urban China: Evidence from Household Survey in Beijing.*
6:00 Yunxiao Dang*, Institute of Geographical Sciences and Natural Resource Research, CAS; Wenzhong Zhang, Institute of Geographical Sciences and Natural Resource Research, CAS; Li Chen, Institute of Geographical Sciences and Natural Resource Research, CAS, *Housing Preferences and Consuming Behaviors in a Transitional Economy: New Evidence from Beijing, China.*
- 3678. CyberGIS Trends (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group, Spatial Analysis and Modeling Specialty Group)**
Room: *Douglas Room - Sheraton Hotel, Second Floor* (Panel Session)
ORGANIZER(S): Shaowen Wang, University of Illinois at Urbana-Champaign; Dawn J. Wright, Oregon State University
CHAIR(S): Shaowen Wang, University of Illinois at Urbana-Champaign
Discussant(s): Dawn J. Wright, Oregon State University
Panelists: Steve Kopp, Esri; Xavier Lopez, Oracle USA
- 3679. A New Era of Capitalism? Responses to Harvey's 2010 Røepke Lecture**
Room: *Grand Ballroom A - Sheraton Hotel, Second Floor* (Panel Session)
ORGANIZER(S): Joseph Pierce, Clark University; Yuko Aoyama, Clark University
CHAIR(S): Joseph Pierce, Clark University
Panelists: Becky Mansfield, Ohio State University; Erik Swyngedouw, University of Manchester; Erica Schoenberger, Johns Hopkins University; Eric S. Sheppard, University of Minnesota - Minneapolis

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- 3680. Plenary: Crossing Planetary and Professional Boundaries in Human Dimensions of Global Change Research (Sponsored by Cultural and Political Ecology Specialty Group, Human Dimensions of Global Change Specialty Group, Hazards Specialty Group)**
Room: *Grand Ballroom B - Sheraton Hotel, Second Floor*
 (Panel Session)
 ORGANIZER(S): Rinku Roy Chowdhury, Indiana University
 CHAIR(S): Rinku Roy Chowdhury, Indiana University
4:40 Diana M. Liverman, University of Oxford
- 3682. Geographies of value, labor, and social reproduction (Sponsored by Socialist and Critical Geography Specialty Group)**
Room: *Grand Ballroom D - Sheraton Hotel, Second Floor*
 (Panel Session)
 ORGANIZER(S): Jim Glassman, University Of British Columbia; Joel D Wainwright, The Ohio State University
 CHAIR(S): Geoff Mann, Simon Fraser University
 Panelists: Michael Webber, The University of Melbourne; Luke Robert Bergmann, University of Minnesota; Henry Wai-chung Yeung, National University of Singapore; Marion Werner, University at Buffalo, SUNY; Cindi Katz, CUNY Graduate Center
- 3683. Geographies of 'successful' aging 3**
Room: *Juniper Room - Sheraton Hotel, Second Floor* (Paper Session)
 ORGANIZER(S): Irene Hardill, Northumbria University
 CHAIR(S): Program Committee
 Introducer: Susan Lucas
4:45 Esther Mcnairnay, Ma Student*, Earth & Atmospheric Sciences, University of Alberta; Theresa Garvin, PhD, Earth & Atmospheric Science, University of Alberta, *Can We Grow Old Here?: Aging in Edmonton's New Suburbs.*
5:05 Anne-Marie Séguin*, Université du Québec, INRS Urbanisation Culture Société, *Toward a new caring regime for elderly population in Quebec (Canada): a greater role for municipalities?.*
5:25 Mark W. Rosenberg, Ph.D.*, Queen's University, *Linking the Aging of the Population and Community Development.*
5:45 Jie Yu*, Queen's University; Mark Warren Rosenberg, PhD, Queen's University, *A Critical Examination of Home Care in Ontario, Canada.*
 Discussant(s): Susan Lucas, Temple University
- 3684. Spatialities and Practices of Governance (3) (Sponsored by Political Geography Specialty Group)**
Room: *Madrona Room - Sheraton Hotel, Second Floor* (Paper Session)
 ORGANIZER(S): Martin Jones, IGES, Aberystwyth University; Katherine Phillips, Aberystwyth University
 CHAIR(S): Katherine Phillips, Aberystwyth University
4:40 Joe Painter*, Durham University, *The State and the Self.*
5:00 Zoe Pearson, M.A.*, The Ohio State University, *Governance, violence, and the complexities of indigenous resistance to oil extraction in the Ecuadorian Amazon.*
5:20 Nicole Gombay*, University of Canterbury, *"There are mentalities that need changing": Constructing Personhood in Settler Societies.*
5:40 Rhys Jones*, Aberystwyth University; Jessica Pykett, Aberystwyth University; Mark Whitehead, Aberystwyth university, *Geographies of the Psychological State.*
6:00 Cheryl A Willis*, University of Exeter, *Harnessing Nature's Benefits: Using a Subjective Wellbeing Perspective to Inform Tourism Policy.*
- 3686. Spatiotemporal Visualization Methods (Sponsored by Space-Time Symposium)**
Room: *Willow A - Sheraton Hotel, Second Floor* (Paper Session)
 ORGANIZER(S): Space-Time Symposium Organizing Committee
 CHAIR(S): Aileen R. Buckley, Esri
4:40 David Dickason, Ph.D.*, Western Michigan University, *Visualizing Geographic Change Using High Definition Rasterized Topographic Maps.*
5:00 John Michael Nelson*, IDV Solutions, *When is Where It's At: Puzzles and Pragmatism for the Inevitable 4th Dimension.*
5:20 Eric Russell*, National Geographic; Colleen Buzby, Northwestern University; Sean O'Connor, National Geographic, *Techniques For Space-Time Visualization In Web-Based GIS.*
5:40 Aileen R. Buckley, PhD*, Esri, *Visualization Methods for Spatio-temporal Data.*
- 3687. Data Models and Content Standards (Sponsored by Space-Time Symposium, Harvard University Center for Geographic Analysis, Association of American Geographers)**
Room: *Willow B - Sheraton Hotel, Second Floor* (Paper Session)
 ORGANIZER(S): Humphrey Southall, University of Portsmouth
 CHAIR(S): Karl Grossner, University of California, Santa Barbara
4:40 Glen Hart*, *Ordnance Survey*; John Goodwin*, *Ordnance Survey, Realising the Potential of Gazetteers as Linked Data in the Semantic Web.*
5:00 Lisa Schelling*, *American Geographical Society Library, Standards in Gazetteer Development.*
5:20 Raj Singh*, *Open Geospatial Consortium, Standards in capturing the changing characteristics of a place for disparate interests.*
 Discussant(s): Michael Goodchild, University of California - Santa Barbara

THURSDAY, APRIL 14 • 6:30 PM**AAG PAST PRESIDENT'S ADDRESS by Carol P. Harden****3722. Framing and Re-framing Questions of Human-Environment Interactions**

Thursday, April 14, 6:30 p.m. - 7:45 p.m.

Room: 6E - Washington State Convention Center, Level 6

Introductions: Douglas Richardson, AAG Executive Director
Kenneth E. Foote, AAG President, University
of Colorado at Boulder

Speaker: **Carol P. Harden**, AAG Past President,
University of Tennessee

In her Past President's Address at the 2011 Annual Meeting, Carol Harden will examine how, over time, geographers have changed the ways in which they frame studies of the complex interrelationships that link people and places. "Framing and Re-framing Questions of Human-Environment Interactions" will build on Mel Marcus' 1979 AAG presidential address by reviewing and extending the history of physical geography over the past century.

Recent recognition of profound and widespread environmental change has brought human-environment interactions back onto center stage. Although physical geographers have a strong tradition of studying the impacts of human actions on the environment, Harden will suggest that, after having once ventured too far down the paths of environmental determinism and social Darwinism, geography as a whole has done too little to advance understanding of the feedbacks through which the environment influences the options and decisions of people and societies. Harden will use examples from her research in the Andes to illustrate feedbacks between humans and their environments and to emphasize that the atmosphere is only one aspect of the interactive, human-environment system undergoing change.

The AAG Presidential Achievement Award will also be presented to Professor **Patricia Gober**, Arizona State University, prior to the Past President's Address.

7:45 p.m. Tribal Welcome of AAG attendees to Seattle and to the AAG International Reception, **Cecile A. Hansen**, Chairwoman of the Duwamish Tribe

AAG INTERNATIONAL RECEPTION in the EXHIBIT HALL

Thursday, April 14, 8:00 p.m. - 9:30 p.m.

Room: 6ABC - AAG Exhibit Hall, Washington State Convention Center, Level 6

Mingle with colleagues from around the world at the AAG International Reception in the Exhibit Hall. The reception will provide opportunities for all AAG participants to welcome overseas attendees and explore with them common interests in teaching, research, and service. Free drink with AAG ticket (provided in your registration packet). See pages 56-58 for a list of exhibitors and an exhibit hall floor plan. Please note: the free drink ticket can be used for this reception or for the Exhibit Hall Opening Reception on Tuesday, April 12, 8:00 p.m. - 9:30 p.m.

THURSDAY, APRIL 14 • 8:00 PM - 9:00 PM • 3800**3804. Paleoenvironmental Change Specialty Group Business Meeting**

Room: 604 - Washington State Convention Center, Level 6

3806. Water Resources Specialty Group Business Meeting

Room: 606 - Washington State Convention Center, Level 6

3807. Population Specialty Group Business Meeting

Room: 607 - Washington State Convention Center, Level 6

3808. Economic Geography Specialty Group Business Meeting

Room: 608 - Washington State Convention Center, Level 6

3809. Urban Geography Specialty Group Business Meeting

Room: 609 - Washington State Convention Center, Level 6

3811. Geographic Information Science and Systems Specialty Group Business Meeting

Room: 611 - Washington State Convention Center, Level 6

3813. Private/Public Affinity Group Business Meeting

Room: 613 - Washington State Convention Center, Level 6

3814. Stand-Alone Geographers Affinity Group Business Meeting

Room: 614 - Washington State Convention Center, Level 6

3815. Transportation Geography Specialty Group Business Meeting

Room: 615 - Washington State Convention Center, Level 6

3829. Cryosphere Specialty Group Business Meeting

Room: 306 - Washington State Convention Center, Level 3

3831. Cyberinfrastructure Specialty Group Business Meeting

Room: 308 - Washington State Convention Center, Level 3

3836. Cultural and Political Ecology Specialty Group Business Meeting

Room: 201 - Washington State Convention Center, Level 2

3844. Landscape Specialty Group Business Meeting

Room: 213 - Washington State Convention Center, Level 2

FRIDAY

Presenting author(s) are indicated with an asterisk ().*

FRIDAY, APRIL 15 • 8:00 AM - 9:40 AM • 4100

- 4103. Teaching Ethics in GIS&T: Final Results of NSF Funded Research on Ethics in GIS&T Education (Sponsored by Geographic Information Science and Systems Specialty Group, Ethics, Justice, and Human Rights Specialty Group)**

Room: 603 - Washington State Convention Center, Level 6
(Paper Session)

ORGANIZER(S): Francis Harvey, University of Minnesota - Minneapolis; Dawn J. Wright, Oregon State University
CHAIR(S): Francis Harvey, University of Minnesota - Minneapolis

8:00 Sarah Elwood*, University of Washington; Agnieszka Leszczynski*, University of Washington, *New geospatial practices, new ethical dilemmas for GIScience.*

8:20 Patti Day, student*, University of WI-Milwaukee, *GI Professionals' Attitudes Towards Ethics.*

8:40 Francis Harvey*, University of Minnesota - Minneapolis; Dawn Wright, Oregon State University; David DiBiase, Pennsylvania State University, *Teaching Ethics in GIS&T: Final Results of NSF Funded Research on Ethics in GIS&T Education.*

9:00 Marc Armstrong*, University of Iowa, *Ethics in Spatial Analysis.*

Discussant(s): Dawn J. Wright, Oregon State University

- 4104. River Forms and Processes (Sponsored by Geomorphology Specialty Group)**

Room: 604 - Washington State Convention Center, Level 6
(Paper Session)

ORGANIZER(S): Inci Guneralp, Texas A&M University; Peng Gao, Syracuse University

CHAIR(S): Peng Gao, Syracuse University

8:00 Peng Gao*, Syracuse University; Maria Joesfson, Syracuse University, *Temporal variations of suspended sediment load in Oneida Creek Upstream watershed, Central New York.*

8:20 Judith K. Haschenburger*, University of Texas at San Antonio, *The Bedload Layer, Streambed Disturbance, and In-channel Refugia.*

8:40 Anthony L Layzell*, University of Texas at Austin; Martha C Eppes, University of North Carolina at Charlotte; Bradley G Johnson, University of North Carolina at Charlotte, *Fluvial response to post Last Glacial Maximum climatic variability: The Conejos River Valley, Southern Colorado.*

9:00 Caroline Ewen, University of Leicester; Mark Powell, University of Leicester; Nicholas J Tate*, University of Leicester, *Terrestrial Laser Scanning for Gravel River Bed Morphometric Analysis.*

9:20 Benjamin M Young*, Missouri State University; Robert T Pavlowsky, Missouri State University, *Channel Disturbance and Sediment-Pb Remobilization in the Lower Big River, Eastern Missouri.*

- 4106. Fostering and Fighting Density in Contemporary Urban/Suburban/Exurban Development (Sponsored by Population Specialty Group, Landscape Specialty Group, Urban Geography Specialty Group)**

Room: 606 - Washington State Convention Center, Level 6
(Paper Session)

ORGANIZER(S): Brian Johnson, Boston Univ. and Salem State Univ.

CHAIR(S): Brian Johnson, Boston Univ. and Salem State Univ.

8:00 Jonathan Glick, PhD*, Spatial Justice Resources Inc, *Economic justice challenges for transit oriented development in South Seattle.*

8:20 Brian Edward Johnson, PhD*, Boston Univ. and Salem State Univ., *The Alignment of Exurban Land Use Controls with the Preferences of Varied Development Interest Groups.*

8:40 Pablo Mendez*, University of British Columbia, *Illegal density and the remaking of Vancouver's suburbs.*

9:00 Minoka De Silva*, University of Calgary, *Neighbourhood revitalization: Building vibrant communities focusing on established suburban neighbourhoods..*

9:20 Alejandro Rodriguez*, Urban Geography, *What is a good urban density? The case of Bogota, Colombia.*

- 4107. Census Geography Changes for Census 2010 and the American Community Survey**

Room: 607 - Washington State Convention Center, Level 6
(Panel Session)

ORGANIZER(S): April Avnayim, U.S. Bureau Of the Census

CHAIR(S): April Avnayim, U.S. Bureau Of the Census

Discussant(s): April Avnayim, U.S. Bureau Of the Census

Panelists: Vincent Osier, U.S. Bureau Of the Census; Anthony Knapp, U.S. Census Bureau; Martin Byrne; Joshua Coutts, U.S. Bureau Of the Census

- 4108. Education, Labor, and Wages**

Room: 608 - Washington State Convention Center, Level 6
(Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Sebastien Breau, McGill University

8:00 Foster Frempong*, Kwame Nkrumah University of Science and Technology; Christopher Mensah, Ho Polytechnic, *Industrial Attachment of Students in Polytechnics in Ghana.*

8:20 Mike Danson, AcSS, FIED, MeRSA*, University of the West of Scotland; Karen Gilmore, University of the West of Scotland, *Retirement or retention: academic decisions in an age of austerity.*

8:40 Per Jansen*, University of Cincinnati, *Wage Theft and Justice: Evaluating Wage Recovery Methods in Hamilton County, Ohio.*

9:00 Abigail M. Cooke*, UCLA, *Variation in U.S. States Wage Inequality, 1980-2008.*

9:20 Sebastien Breau*, McGill University; Kenyon C Bolton, McGill University, *Regions and the distribution of earnings: New evidence from Canada.*

- 4111. Socio-Spatial Changes in Europe (Sponsored by European Specialty Group)**

Room: 611 - Washington State Convention Center, Level 6
(Paper Session)

ORGANIZER(S): Micheline Van Riemsdijk, University of Tennessee

CHAIR(S): Micheline Van Riemsdijk, University of Tennessee

8:00 Roza Tchoukaleyska*, University of Sheffield, *Food politics and public identities: The Marché du Plan Cabanes in Montpellier, France..*

8:20 Anne Ranek*, University of Arizona, School of Geography and Development, *The changing politics of the veil in Denmark.*

8:40 Andrew Ryder, D. Phil.*, University of Portsmouth, *Travel and transport in the Warsaw region: changes since 1989 and prospects.*

9:00 Jennifer Lynn Titanski*, Penn State University, *Ethnicity, Nationalism, and Boundaries in a "European" Croatia.*

9:20 Evangelos Pavlis, University of the Aegean; Theano S. Terkenli*, University of the Aegean, *Europe and Landscape: Towards the Formulation of a New Landscape Conscience.*

FRIDAY, APRIL 15 • 8:00 AM - 9:40 AM • 4100**4112. Models in Economic Geography**

Room: 612 - Washington State Convention Center, Level 6

(Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): T. R. Lakshmanan, Boston University

8:00 William B. Beyers*, University Of Washington, *Structural Changes In The Washington Economy, 1963-2002*.

8:20 Ryan James*, University of North Carolina Charlotte; Harrison Campbell, PhD, University of North Carolina Charlotte, *The Effects of Space and Scale on Beta Convergence Testing Results*.

8:40 James B. Pick*, University of Redlands; Tetsushi Nishida, University of Redlands, *Spatial Analysis of Economic and Social Determinants of Technology Utilization in China*.

9:00 T. R. Lakshmanan*, Boston University; William P Anderson, Professor, University of Windsor; Yena Song, Dr., University of Southampton, *The Evolution of Knowledge-Intensive Sectors and Patterns of Global and Local Agglomeration in the Megalopolis*.

4113. Urbanization in the Developing World (Sponsored by Urban Geography Specialty Group)

Room: 613 - Washington State Convention Center, Level 6

(Paper Session)

ORGANIZER(S): Daniel Trudeau, Macalester College

CHAIR(S): Sharon Meagher, The University of Scranton

8:00 Daniel Sanfelici*, University of Sao Paulo/CUNY Graduate Center, *Assessing neoliberal urbanization in Porto Alegre (Brazil): property development and policy change in the 2000s*.

8:20 Han Zhang*, The University of Hong Kong/The Harvard-Yenching Institute, *Local Entrepreneurial State and the Redevelopment of Ningbo City Center: The Tianyi Square Project*.

8:40 Gavin Shatkin*, University of Michigan, *The True Meaning of the 'Singapore Model': State Capitalism and Urban Planning*.

9:00 Arnisson Andre Caparas Ortega*, University of Washington, *Forgetting for the Future: New Cities, Old Lands and Building a Neoliberal Philippines*.

9:20 Sharon M Meagher, Ph.D.*, The University of Scranton, *Selling Kigali: City Tours as a Route to Neo-Liberal Investment*.

4114. Teaching the Geographies of Memory and Heritage (Sponsored by Geography Education Specialty Group, Cultural Geography Specialty Group, Historical Geography Specialty Group)

Room: 614 - Washington State Convention Center, Level 6

(Panel Session)

ORGANIZER(S): Christopher W. Post, Kent State University at Stark

CHAIR(S): Christopher W. Post, Kent State University at Stark

Panelists: Christopher W. Post, Kent State University at Stark; Joshua F. Inwood, University of Tennessee; Owen Dwyer, Indiana University, Indianapolis; Stephen S. Birdsall, University of North Carolina - Chapel Hill; Jonathan Leib, Old Dominion University

4115. The Poetics of Place

Room: 615 - Washington State Convention Center, Level 6

(Paper Session)

ORGANIZER(S): James A. Ketchum, Association of American Geographers

CHAIR(S): Christine Erlie, Duke University

8:00 X. Mara Chen*, Salisbury University; Nancy Mitchell, Salisbury University; Dnaiel W. Harris, Salisbury University, *Blending Creative Writing into Geosciences Learning*.

8:20 Howard Horowitz*, Ramapo College, *Wordmaps: The Art of Cartographic Poetry*.

8:40 Christine M. Erlie, PhD*, Duke University, *Writing Google Earth*.

9:00 Yong Yu*, University of Wisconsin, Madison, *Nature, Cosmos, and Scenery: Geographical Symbolisms in Yuan Ming Yuan*.

9:20 Blake Mayberry*, University of Kansas, *The Land of Allium: An exploration into the magic of place*.

4116. Geographical Imaginations: Landscape and Myth

Room: 616 - Washington State Convention Center, Level 6

(Paper Session)

ORGANIZER(S): James A. Ketchum, Association of American Geographers

CHAIR(S): Steven L. Driever, University of Missouri

8:00 Heather Whipple*, Brock University, *Popular Representations of Outer Space*.

8:20 Martin Hogue*, department of landscape architecture, *Exit 39, Then Left at the Light: A Short History of Campgrounds of America*.

8:40 Mac Blewer, Mr.*, University of Wyoming, *An Outlaw's Shadow on the Landscape- Remembrances of Butch Cassidy*.

9:00 Kevin Blake*, Kansas State University, *Imagining Pikes Peak as America's Mountain*.

9:20 Steven L. Driever, Ph.D.*, University of Missouri, *Geographic Narratives in the Travel Writing of Harry A. Franck: 1910-1929*.

4118. Topics in Korean Political and Economic Geographies (Sponsored by Political Geography Specialty Group, Asian Geography Specialty Group, Economic Geography Specialty Group)

Room: 618 - Washington State Convention Center, Level 6

(Paper Session)

ORGANIZER(S): Bae-Gyoon Park, Seoul National University

CHAIR(S): Doug Gress, Seoul National University

8:00 Byung-Doo Choi*, Daegu University, Korea, *Neoliberalization of Nature and Green Growth Strategy in Korea*.

8:20 Doug Gress, Ph.D.*, Seoul National University; Jeeyon Paek, Ph.D., Ehwa Womans University, *Differential Spaces in Korean Places? Feminist Geography and Female Managers in South Korea*.

8:40 Jin-Tae Hwang*, Department of Geography Education, Seoul National University, *The Impacts of Local Growth Coalitions and their Politics of Scale on the Formative Process of a Global City, Seoul: The Case of Dongdaemun Design Plaza & Park Project*.

9:00 Junho Kim*, Kyung-Hee University, *Rough Sleepers and the Production of "Spaces of Difference"*.

9:20 Bae-Gyoon Park*, Seoul National University, *Putting the Korean Developmental State in its Localities*.

FRIDAY, APRIL 15 • 8:00 AM - 9:40 AM • 4100**4119. Is there a thing like 're-urbanization'? A critical debate about some current shifts in urban growth & decline**

Room: 619 - Washington State Convention Center, Level 6
(Panel Session)

ORGANIZER(S): Thomas Doerfler, University of Goettingen

CHAIR(S): Thomas Doerfler, University of Goettingen

Discussant(s): David Wilson, University Of Illinois

Panelists: Ulrike Gerhard, University of Wuerzburg; Mark Davidson, Clark University; Bernd Belina, Goethe University Frankfurt; Thomas A. Hutton, University of British Columbia

4120. Decolonizing, Healing and Hopeful Geographies: (Re)membering Indigenous Relationships to the World (Sponsored by Indigenous Peoples Specialty Group)

Room: 620 - Washington State Convention Center, Level 6
(Panel Session)

ORGANIZER(S): Julianne A Hazlewood, University of Kentucky

CHAIR(S): Renee P Louis, Hawaii Board on Geographic Names

Panelists: Renee P Louis, Hawaii Board on Geographic Names; Margaret Pearce; Irène Hirt, Laval University - University of Geneva; Beth Rose Middleton, UC Davis; Chris Castagna, University Of Hawaii at Manoa; Julianne A Hazlewood, University of Kentucky

4121. Economic and Transportation Geography

Room: 6ABC - Washington State Convention Center, Level 6
(Poster Session)

ORGANIZER(S): Program Committee

Joshua M Rudow*, University of Texas-Austin Department of Geography, *The Evolution of Modern Tarahumara Agriculture in Chihuahua, Mexico.*

Mario Mighty, B.Sc., M.A.*, University of Florida, *Adaptive Strategies in Banana Farming in Jamaica.*

Aryn Davis*, USMA, *Climate Change and Women's Crops in Ghana.*

Jeffrey S Jenkins*, CSU-Chico, *Quinoa and silver in San Cristobal, Bolivia: Water scarcity and local landscape change between two competing global industries..*

Shahalam M.N. Amin*, Bloomsburg University of Pennsylvania; Abdul Baqee, University of Dhaka, *Socio-economic Implications of Shrimp Cultivation in Coastal Bangladesh: A losing Battle for the Agricultural Farmers?.*

Rebecca A. Johns, Ph.D.*, Univ Of South Florida St. Petersburg, *Global Inequality: Class, Gender and Space : 2000 - 2009.*

Cindy Crawley*, Middle Tennessee State University; Hari P Garbharran, Ph.D, Middle Tennessee State University, *Supporting Skills Training and Income Generation in Nepal..*

Connor Sheehan*, University of Colorado; Fernando Riosmena, PHD, University of Colorado IBS, *Return Migration and Informal Business Formation in Mexico.*

Kristopher Burdette Buihner, Student*, Humboldt State University, Geography Department, *Global piracy: A foul refuge for desperate people.*

Jeff Eloff*, The University of Toledo, *The Story of Coal.*

Melissa Oguamanam*, University of Maryland, College Park; Rick Mueller, USDA/NASS; Claire Boryan, USDA/NASS, *Corn Planting Intensity in U.S. Corn Belt States 2007-2010.*

Charlotte Cansick*, University of Maryland, *Agri Environmental Schemes and Conservation of the Honey Bee in the UK.*

Justin R Zimmerman*, Frostburg State University, *Professional Parts Incorporated: Allocation Analysis.*

Bradley T. Cullen*, Univ of New Mexico, *No Longer Risk Free Investments - An Analysis Of Electric Utilities.*

Thomas A. Wikle*, Oklahoma State; Jonathan C. Comer*, Oklahoma State University, *An Assessment of Cell Towers Within and Adjacent to U.S. National Park Sites.*

Katherine Burk*, Miami University, *An assessment of e-waste management needs for Middletown, Ohio.*

Scott D Stolz*, Central Michigan University, *Future site selection for Best Buy in Michigan using GIS.*

Tesfay Russell*, *Evaluating Analytical Methods for Analyzing the Role of Financial Institutions in Immigrant Integration.*

John E. Bodenman*, Bloomsburg University, *The Spatial Organization of the Investment Advisory Industry in the United States 'Post Financial Crisis' in 2010.*

Zaine Venter*, Bridgewater State University; Kim Kirkwood*, *Patterns and Impacts of Foreign Students in the United States.*

Timothy Vowles*, University of Northern Colorado, *The Geography of United States Gateway Airports.*

Peter S Lindquist*, University of Toledo; Xi Li, University of Toledo, *New Developments in Midwest FreightView.*

Maria Del Pilar Ponce*, Universidad de Puerto Rico; Christian Xavier Rivera, Universidad de Puerto Rico, *Assessing the Mass Transportation System in the San Juan Metropolitan Area.*

Lawrence Duffy*, University of Akron, *The Effects of Bus Rapid Transit on Economic Development in Cleveland.*

Derrin W Smith*, Kent State University, *The Impact of Place Marketing on the Image of Cleveland and Northeast Ohio.*

William Graves*, UNC-Charlotte, *Uniting a Dispersed Urban System: A Proposal for the Western Research Triangle in North Carolina.*

Kathleen Deutsch*, University of California, Santa Barbara; Seo Youn Yoon, University of California, Santa Barbara; Kostas Goulias, University of California, Santa Barbara, *Modeling Sense of Place Using a Structural Equation Model.*

Scott Drzyzga*, Shippensburg University; Claire Jantz, Shippensburg University; Claire Welty, University of Maryland Baltimore County; Michael Maret, Shippensburg University; Gus Frederick, Shippensburg University; Ben Ritter, Shippensburg University, *The space-time evolution of commuter flows in the Baltimore Metropolitan Region (1970-2010) and the need to model land use change as a function of competitiveness..*

Austin Rose*, Western Washington University, *Discourse in the Borderlands: An Analysis of the Cartographies of Power at the U.S.-Mexico 'Frontier'.*

Nicole Romero*; Suley A. Cruz, *The Geography of the consumer's habits and mayor destinations in the first day of Christmas sales in Puerto Rico: a comparative analysis between 2008, 2009, and 2010..*

4124. Global Perspectives on Urban Poverty

Room: 301 - Washington State Convention Center, Level 3
(Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Stacy Warren

8:00 Josefina Ades*, University of Québec (INRS-UCS); Philippe Apparicio, University of Québec (INRS-UCS); Anne-Marie Séguin, University of Québec (INRS-UCS), *The evolution of the intrametropolitan distribution of poverty in Canada (1986-2006): An analysis based on the built environment.*

8:20 Mahito Hayashi*, The Japan Society for the Promotion of Science, *Times and Spaces of Homeless Regulation: the Denationalization of the Homeless in Japan.*

FRIDAY, APRIL 15 • 8:00 AM - 9:40 AM • 4100

- 8:40** Ali Ghasemi*, *Width and properties of informal habitats in iran (Case study : Islamsahr).*
- 9:00** Vernon Loke, Eastern Washington University; Stacy Warren*, Eastern Washington University, *Just Out of Reach : Mapping Access to Social Services in Washington State with GIS.*
- 4125. Migration and Community**
Room: 302 - Washington State Convention Center, Level 3
(Paper Session)
ORGANIZER(S): Program Committee
CHAIR(S): Michelle D Majeed, University of Toronto
8:00 John T. Oakes*, University of Kansas, *Migrant Perspectives and Transnational Theory: Advancing Xenophobia Research.*
8:20 Clare Newstead*, Nottingham Trent University, *Deportation and 'Criminal Aliens': policing the borders of citizenship.*
8:40 Rachel Beaty, Master's Candidate*, University of Arizona, Center for Latin American Studies, *A Curious and Complicated Presence: Nicaragua's Palestinian Community.*
9:00 Amelia Schubert*, University of Colorado, *Mismatched Expectations: Ethnic Korean Chinese Marriage Migration into South Korea.*
9:20 Michelle D Majeed*, University of Toronto, *It's All About Who You Know: Migrant Networks and Their Affects On Health.*
- 4126. BSG PhD Student Paper Competition I (Sponsored by Biogeography Specialty Group)**
Room: 303 - Washington State Convention Center, Level 3
(Paper Session)
ORGANIZER(S): Gabrielle L. Katz
CHAIR(S): Gabrielle L. Katz
8:00 Tomas Vaclavik*, University of North Carolina at Charlotte; John A Kupfer, University of South Carolina-Columbia; Ross K Meentemeyer, University of North Carolina at Charlotte, *Accounting for multi-scale spatial autocorrelation improves performance of invasive species distribution modeling (iSDM).*
8:20 Scott A Reinemann*, The Ohio State University; David F Porinchu, PhD, The Ohio State University, *A Multi-Proxy Paleolimnology Study Provides Evidence of Anthropogenic Influence on Sub-Alpine and Alpine Ecosystems in the Great Basin, United States.*
8:40 Mao-Ning Tuanmu*, Center for Systems Integration and Sustainability, Department of Fisheries and Wildlife, Michigan State University; Andrés Viña, Center for Systems Integration and Sustainability, Department of Fisheries and Wildlife, Michigan State University; Gary J. Roloff, Department of Fisheries and Wildlife, Michigan State University; Wei Liu, Center for Systems Integration and Sustainability, Department of Fisheries and Wildlife, Michigan State University; Zhiyun Ouyang, State Key Laboratory of Urban and Regional Ecology, Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences; Hemin Zhang, China Conservation and Research Center for the Giant Panda; Jianguo Liu, Center for Systems Integration and Sustainability, Department of Fisheries and Wildlife, Michigan State University, *Temporal Transferability of Wildlife Habitat Models and Its Implications for Habitat Monitoring.*
9:00 Lynnette Dornak*, University of Kansas, *Spatiotemporal Dynamics of Henslow's Sparrow Breeding Habitat Across the Midwestern Landscape.*
- 4127. Feedbacks and synergisms: mechanisms driving novel ecosystems in the context of changes in climate, land-cover, and land-use (Sponsored by Biogeography Specialty Group)**
Room: 304 - Washington State Convention Center, Level 3
(Paper Session)
ORGANIZER(S): Juan Paritsis, University of Colorado Geography; Andres Holz, Biogeography Lab, University of Colorado - Boulder
CHAIR(S): Andres Holz, Biogeography Lab, University of Colorado - Boulder
8:00 Andres Holz*, Biogeography Lab, University of Colorado - Boulder; Juan Paritsis, Biogeography Lab, University of Colorado, Boulder; Thomas T. Veblen, Biogeography Lab, University of Colorado, Boulder, *Synergistic Influences of Climate Variability and Human Impact on Wildfire Activity in Southwestern South America.*
8:20 Janet Franklin*, Arizona State University; Alexandra D. Syphard, Ph.D., Conservation Biology Institute; Helen M. Regan, Ph.D., University of California at Riverside, *The response of a key plant functional type to the triple threat of land use change, climate change and altered fire regimes in Mediterranean-type ecosystems.*
8:40 Susan W. Beatty*, University of Colorado, *Forest Dieback, Invasives, and Land Use: Creation of a Novel Landscape..*
9:00 Jeffrey Hicke*, University of Idaho, *Climate-land-cover change feedbacks through forest disturbances.*
9:20 Helene Marcoux*, University of British Columbia; Lori D Daniels, Geography, University of British Columbia; Sarah Gergel, Forest Sciences, University of British Columbia; Eric Da Silva, Geography, University of Guelph; Ze'ev Gedalof, Geography, University of Guelph; Rick Kubian, Parks Canada Agency & University of Victoria; Gray Robert, University of Victoria; Jed Cochrane, Parks Canada Agency; John Nezbitt, Geography, University of British Columbia, *Disturbance history and stand dynamics: the implications of 20th century change for restoration and mitigation of mountain forests of British Columbia.*
- 4128. Environments/Bodies/Health/Food: Emerging Perspectives (Sponsored by Cultural and Political Ecology Specialty Group, Health and Medical Geography Specialty Group, Energy and Environment Specialty Group)**
Room: 305 - Washington State Convention Center, Level 3
(Paper Session)
ORGANIZER(S): Julie Guthman, Univ of California Santa Cruz; Becky Mansfield, Ohio State University
CHAIR(S): Becky Mansfield, Ohio State University
8:00 Julie Guthman*, Univ of California Santa Cruz, *Environmental Toxins and Fat Bodies: a Critical Political Ecology Approach.*
8:20 Aaron Bobrow-Strain*, Whitman College, *Bodies in Revolt? Against What? Ambiguous Materialities in The Politics of Food Allergy, Intolerance, and Auto-Immune Disorder.*
8:40 Amy Zader, PhD Candidate*, University of Colorado, Boulder, *Governing Bodies, Governing Grain: Chinese Technologies of Quality.*
9:00 Becky Mansfield*, Ohio State University, *Contaminated environments, biosecurity, and risk: making fetal life live.*
Discussant(s): Mathew Coleman, Ohio State University

FRIDAY, APRIL 15 • 8:00 AM - 9:40 AM • 4100**4129. Sea Level Rise, Impacts, and Policy I (Sponsored by Human Dimensions of Global Change Specialty Group, Coastal and Marine Specialty Group, Hazards Specialty Group)**

Room: 306 - Washington State Convention Center, Level 3
(Paper Session)

ORGANIZER(S): Lesley Noel Patrick, City University of New York; William D. Solecki, Hunter College

CHAIR(S): Keqi Zhang

8:00 Dean Gesch*, U.S. Geological Survey, *Accounting for Elevation Uncertainty in Sea-Level Rise Assessments: How Much Land is Really at Risk?*

8:20 Christopher Allen Tate*, University of Idaho Department of Geography; Tim G Frazier, Dr., The University of Idaho, *A sea level rise enhanced storm surge methodology for determining potential critical infrastructure failure in Sarasota County, Florida..*

8:40 Michael Brady*, Hunter College Geography; William Solecki, City University of New York, *Applying a Watershed Model to Study Storm Surge within the Hudson River Estuary.*

9:00 Lesley N. Patrick*, The Graduate Center, City University of New York, *Uncertainty Analysis of One Percent Annual Coastal Flood Maps.*

4130. Rural Prospects in a Globalizing World I (Sponsored by Rural Geography Specialty Group, Development Geographies Specialty Group, Economic Geography Specialty Group)

Room: 307 - Washington State Convention Center, Level 3
(Paper Session)

ORGANIZER(S): Pratyusha Basu, University of South Florida, Tampa; Bruce A. Scholten, University of Durham

CHAIR(S): Bruce A. Scholten, University of Durham

8:00 Michael Woods*, Aberystwyth University, *Grounding Global Uncertainties and the Relational Politics of the Rural.*

8:20 Holly Barcus*, Macalester College, *Transnational Identities, Migration, and the Importance of Cultural and Social Ties between Communities: A Case Study of the Mongolian Kazakh Diaspora.*

8:40 Ravi Singh*, Banaras Hindu University, *Changing Cultural Landscapes in Rural India: A Case Study of Vernacular Houses.*

9:00 Jason A. Douglas*, The Graduate Center - CUNY, *In the Cockpit: The Political Ecology of Environmental Protection in Jamaica.*

9:20 Bruce A. Scholten, PhD*, University of Durham, *Who Dairies Wins: Benefits to smallholder milk farmers in India & Africa.*

4131. Climate Literacy 1: Climate education (Sponsored by Human Dimensions of Global Change Specialty Group, Climate Specialty Group, Geography Education Specialty Group)

Room: 308 - Washington State Convention Center, Level 3
(Paper Session)

ORGANIZER(S): Dan Bedford, Weber State University; Lesley-Ann Dupigny-Giroux, University of Vermont

CHAIR(S): Lesley-Ann Dupigny-Giroux, University of Vermont

8:00 Lesley-Ann Dupigny-Giroux*, University of Vermont, *Exploring Six Challenges to Achieving Climate Science Literacy: Lessons from Students, Teachers and Lifelong Learners.*

8:20 Dan Bedford*, Weber State University, *Student Opinions on Global Warming.*

8:40 Kent M. McGregor*, University of North Texas, *Reducing Carbon Dioxide Emissions: A Global Perspective.*

9:00 James A. Brey*, American Meteorological Society; Ira W. Geer, American Meteorological Society; Joseph M. Moran, American Meteorological Society; Robert S. Weinbeck, American Meteorological Society; Elizabeth

W. Mills, American Meteorological Society; Bernard A. Blair, American Meteorological Society; Edward J. Hopkins, American Meteorological Society; Kathryn L. O'Neill, American Meteorological Society; Heather R. Hyre, American Meteorological Society; Kira A. Nugnes, American Meteorological Society; Maureen N. Moses, American Meteorological Society, *AMS Climate Studies: A Firm Climate Science Foundation for College Students.*

9:20 John Harrington, Jr.*, Kansas State University; Ben Champion, Kansas State University, *The Central Great Plains Climate Change Education Partnership.*

4133. Evolutionary Geographies of Regions, Industries, and Institutions: Part I (Sponsored by Economic Geography Specialty Group, Business Geography Specialty Group)

Room: 310 - Washington State Convention Center, Level 3
(Paper Session)

ORGANIZER(S): Murray Rice, University of North Texas; Ronald V. Kalafsky, University of Tennessee

CHAIR(S): Murray Rice, University of North Texas

8:00 Dawn M Drake*, University of Tennessee, *Shifting Geographies in the US Farm Machinery Industry: The Evolution of an Industry and its Clusters.*

8:20 Sharon C Cobb*, University of North Florida; Mina Balamoune, University of North Florida, *FDI, OFCs, and Economic Development.*

8:40 Klaus Edenhoffer*, Simon Fraser University; Roger Hayter, Simon Fraser University, *Recessions and Restructuring in Evolutionary Economic Geography: British Columbia's Forest Sector 1980 -2010.*

9:00 Brent A Olson*, Syracuse University, *Playing Catchup: Building institutions in the wake of rapid transition..*

9:20 Murray Rice*, University of North Texas, *Evolving Headquarters Geographies: A Longitudinal Study of Canada's Top 1000 Firms, 1986-2006.*

4134. Water and Climate Change in Mountain Regions 1 (Sponsored by Cryosphere Specialty Group, Development Geographies Specialty Group, Mountain Geography Specialty Group)

Room: 3A - Washington State Convention Center, Level 3
(Paper Session)

ORGANIZER(S): Bryan G. Mark, The Ohio State University; Jeffrey Bury, University of California, Santa Cruz

CHAIR(S): Bryan G. Mark, The Ohio State University

8:00 Bryan G. Mark*, The Ohio State University; Michel Baraer, McGill University; Jeffrey M. McKenzie, McGill University; Thomas Condom, Institut de Recherche pour le Développement; Kyung In Huh, The Ohio State University; Sarah Rathay, McGill University, *Glacier Loss and Changes to Waters of the Cordillera Blanca, Peru.*

8:20 Jeffrey Bury*, University of California, Santa Cruz, *Climate Change, Resource Conflicts and Human Vulnerability in the Peruvian Andes.*

8:40 Kenneth R. Young*, University of Texas at Austin; Molly H. Polk, University of Texas at Austin, *Biogeographical consequences of global change in the high Andes of Peru.*

9:00 Jeff La Freniere*, Ohio State University, *Assessing Glacier Retreat and Water Resource Vulnerability at Volcán Chimborazo, Ecuador: What We Know Now and What Remains to be Discovered.*

Discussant(s): Mark Carey, University of Oregon

FRIDAY, APRIL 15 • 8:00 AM - 9:40 AM • 4100**4135. The Carbon Economy Revisited: Exploring political economy, governance and development in the Carbon Market (I - LULUCF and Development) (Sponsored by Cultural and Political Ecology Specialty Group)**

Room: 3B - Washington State Convention Center, Level 3
(Paper Session)

ORGANIZER(S): Adam Bumpus, ISIS: Sauder School of Business, University of British Columbia; Tracey Osborne, University of Arizona

CHAIR(S): Diana M. Liverman, University Of Oxford

8:00 Emily K. Anderson, MA*, Institute for Resources, Environment & Sustainability, University of British Columbia; Hisham Zerriffi, PhD, Liu Institute for Global Issues, University of British Columbia, *How should smallholder carbon agroforestry projects be designed? The implications of including carbon credit generation in smallholder tree planting projects in Uganda.*

8:18 Sophie Webber*, University of British Columbia, *Performing vulnerability in Kiribati: Becoming a legitimate actor in the market for climate change adaptation.*

8:36 Tracey Osborne, PhD*, University of Arizona, *Carbon Forestry and Land Access in a Mexican Rainforest: Lessons for REDD.*

8:54 Mary Finley-Brook*, University of Richmond, *1,000 Cancuns: The Carbon Economy and Uneven Development in Mexico and Central America.*

Discussant(s): Jesse Ribot, University of Illinois

4136. Direct Experience in Situated Human-Animal Encounters: Critical Perspectives and Educational Practices (Sponsored by Animal Geography Specialty Group)

Room: 201 - Washington State Convention Center, Level 2
(Paper Session)

ORGANIZER(S): Traci Warkentin, Hunter College; Leesa Fawcett, Faculty of Environmental Studies, York University

CHAIR(S): Traci Warkentin, Hunter College

8:00 Suzi Wiseman*, Texas State University - San Marcos, *Wild Dog Adaptation to Urban Encroachment.*

8:20 Lissy Goralnik*, Michigan State University; Laurie Thorp, PhD, Michigan State University; Linda Kalof, PhD, Michigan State University, *Care-Based Human-Animal Communities: Education and Experience with Pasture Raised Pigs.*

8:40 Traci Warkentin*, Hunter College, *Cultivating Urban Naturalists: Teaching Experiential, Place-based Learning through Nature Journaling in Central Park.*

9:00 Molly R Tamulevich*, Michigan State University, *Wide Open Spaces: The importance of Neutral Territory in Institutional Human-Animal Interactions.*

Discussant(s): Leesa Fawcett, Faculty of Environmental Studies, York University

4137. Geographical dimensions of regional climate change I (Sponsored by Climate Specialty Group)

Room: 202 - Washington State Convention Center, Level 2
(Paper Session)

ORGANIZER(S): Sara Rauscher, Los Alamos National Lab; Anji Seth, University of Connecticut

CHAIR(S): Nellie Elguindi

8:00 Anji Seth*, University of Connecticut; Sara A. Rauscher, LANL; Maisa Rojas, University of Chile; Alessandra Giannini, Columbia University; Suzana J. Camargo, Columbia University, *Response of Regional Monsoons to Greenhouse Warming.*

8:20 Douglas W. Gamble*, University Of North Carolina - Wilmington; Scott Curtis, East Carolina University, *Spatial and temporal patterns in regional drought of the Caribbean Basin.*

8:40 Fabien Solmon*, ICTP; Marc Mallet, Laboratoire d'Aerologie; Nellie Elguindi, ICTP; Filippo Giorgi, ICTP, *Impact of Saharan dust on west African regional climate using a regional climate model.*

9:00 Sara Rauscher, PhD*, Los Alamos National Lab; Rosie Fisher, PhD, National Center for Atmospheric Research, *Examining Potential Vegetation-Climatic Trajectories over the Southwest.*

9:20 Johannes Feddema*, University of Kansas, *Using an urban submodel in a GCM to improve climate impact assessment studies.*

4138. Emerging Heritage Tourisms: Opportunities, Power and Place (cosponsored by the IGU Tourism Commission) (Sponsored by Recreation, Tourism, and Sport Specialty Group)

Room: 203 - Washington State Convention Center, Level 2
(Paper Session)

ORGANIZER(S): Alan A. Lew, Northern Arizona University; Jarkko Saarinen, University of Oulu

CHAIR(S): Dallen J. Timothy, Arizona State University

8:00 Tometi K Gbedema, Ph Candidate*, UC Davis, *The Door of (Barred)No Returns - Role of Heritage Tourism in Local Communities in Sub-Saharan Africa: The Cases of Elmina and Keta in Ghana.*

8:20 Selina Weigl*, *Chances and Barriers of renewing old industrial regions by the means of tourism.*

8:40 Gretchen Hill*, UO Geography Graduate Student, *Hidden in Plain Sight: The Boise Basques.*

9:00 Daniel C. Knudsen*, Indiana University, *Power in Place: Royalty and Its Symbols in the Danish Capital.*

4139. Technologies of Mobility: Methods and Meanings I (Sponsored by Russian, Central Eurasian, and East European Specialty Group, Urban Geography Specialty Group, Communication Geography Specialty Group)

Room: 204 - Washington State Convention Center, Level 2
(Paper Session)

ORGANIZER(S): Matthew Zook, University of Kentucky; Rein Ahas, Department of Geography, University of Tartu

CHAIR(S): Rein Ahas, Department of Geography, University of Tartu

8:00 Jim Thatcher*, Penn State University, *Design and Deployment: A Prospective Ethnographic Methodology for Linking Users and Developers of Mobile Geospatial Technologies.*

8:20 Cynthia Chen*, University of Washington; Hongmian Gong, Hunter College of CUNY, *Using Mobile Phones for Location Tracking and Activity Monitoring.*

8:40 Julie Fen-Chong*, UMR Géographie Cités; Arnaud Banos, UMR Géographie Cités; Denise Pumain, UMR Géographie Cités, *Use of mobile phone data for analyzing mobility practices and urban structures.*

9:00 Olle Järv*, University of Tartu; Frank Witlox, Ghent University, *Residence-Based Differences in Everyday Mobility: Comparing Commuters' and City Dwellers' Daily Activity Spaces in Estonia Using Mobile Positioning Data.*

FRIDAY, APRIL 15 • 8:00 AM - 9:40 AM • 4100**4140. Payments for Ecosystem Services, Poverty Reduction, and Carbon Markets: incorporating the others' ecosystem? I (Sponsored by Cultural and Political Ecology Specialty Group, Human Dimensions of Global Change Specialty Group)**

Room: 205 - Washington State Convention Center, Level 2
(Paper Session)

ORGANIZER(S): Gregory Simon, University of Colorado Denver; Trevor Birkenholtz, Rutgers University

CHAIR(S): Gregory Simon, University of Colorado Denver

8:00 Melanie Hughes McDermott, PhD*, Rutgers University, *Explicit Equity: implications for designing and assessing systems of Payments for Ecosystem Services (PES)*.

8:20 Trevor Birkenholtz*, Rutgers University, *PES (Payments for Ecosystem Services), alienation and capitalism's Second Contradiction: examples from irrigation*.

8:40 Ludivine Eloy*, CNRS (National Center for Scientific Research), France; Stephane Ghiotti, CNRS (National Center for Scientific Research), France, *The territorial approach : a way for payments for ecosystem services analyses ?*.

9:00 Jeremy J Peichel*, University of Maryland; Jose A Arellano Lobo*, University of Maryland; Krista C Heiner*, University of Maryland; Taylor Ricketts, Ph.D, Conservation Science Program, WWF-US; Amy Rosenthal, Natural Capital Project, WWF-US, *Targeting conservation and development: An evaluation of poverty indicator links to ecosystem services*.

9:20 David Lansing, Dr.*, University of Maryland Baltimore County Geography and Environmental Systems, *Ecosystem payments, agrarian change, and inequality: new paradigms for old policies*.

4141. Shopping to Save the World? Ethical consumption, development and environment (Sponsored by Cultural and Political Ecology Specialty Group, Ethics, Justice, and Human Rights Specialty Group, Economic Geography Specialty Group)

Room: 206 - Washington State Convention Center, Level 2
(Paper Session)

ORGANIZER(S): Roberta Hawkins, Clark University

CHAIR(S): Stefano Ponte, Danish Institute for International Studies

8:00 Roberta Hawkins*, Clark University, *Cause Washing: A critical analysis of north-south connections and neoliberal entanglements of ethical consumption as development intervention*.

8:20 Sandy Brown*, UC Berkeley Geography, *Fairness for Whom? Regulating Labor through Voluntary Certification and Labeling*.

8:40 Bradley Wilson*, West Virginia University, *Consumer Activism as Affective Labor: Reflections on the Fair Trade Coffee 'Buycott'*.

9:00 Emily Eaton*, University of Regina, *Deciding the fate of GM wheat in the market?*.

Discussant(s): Lisa Ann Richey, Roskilde University; Stefano Ponte, Danish Institute for International Studies

4142. Exploring the Colonial Present: Contemporary Research on Palestine (I) (Sponsored by Socialist and Critical Geography Specialty Group)

Room: 211 - Washington State Convention Center, Level 2
(Paper Session)

ORGANIZER(S): Omar Jabary Salamanca; Kareem Rabie, CUNY Graduate Center

CHAIR(S): Tristan Sturm, UCLA

8:00 Reecia Orzeck*, University of Vermont, *Colonialism, Violence, and Public International Law*.

8:20 Brooke Lober, MA*, University of Arizona, Department of Gender and Women's Studies, *Reckoning with Jewish Diaspora*.

8:40 Antonia House, MA Candidate*, Hagop Kevorkian Center, New York University, *Landscapes, Memory and the Contradictions of Jewish Democracy*.

9:00 Lisa Bhungalia*, Syracuse University, *Strategies for living, struggles over how to live: Negotiating USAID and the politics of liberal governance in Palestine*.

9:20 Wendy Ake*, Kirwan Institute for the Study of Race and Ethnicity, *Outcomes, Intentionality and Activist Logic: The Free Gaza Movement and the international campaign to end the siege on Gaza*.

4143. Quaternary Environmental Change: Student Oral Presentations (Sponsored by Paleoenvironmental Change Specialty Group)

Room: 212 - Washington State Convention Center, Level 2
(Paper Session)

ORGANIZER(S): Philip Van Beynen, University of South Florida

CHAIR(S): Philip Van Beynen, University of South Florida

8:00 Maria A. Caffrey*, University of Tennessee; Lawrence B. Conyers, University of Denver; Sally P. Horn, University of Tennessee; Donald G. Sullivan, University of Denver, *GPR in the DR: A new application of the geophysical technique*.

8:20 Lixin Wang*, Department of Geography, University of Georgia; David S Leigh, Department of Geography, University of Georgia, *Late Holocene Paleofloods in the Upper Little Tennessee River Valley, Southern Blue Ridge Mountains, USA*.

8:40 Zachary P. Taylor*, University of Tennessee; Sally P. Horn, University of Tennessee; David B Finkelstein, University of Tennessee, *Assessing the Impacts of Late-Holocene Droughts on Pre-Hispanic Agriculture in Southwestern Costa Rica*.

9:00 Kelly M. Alexander*, Lakes and Reservoir Systems (LARS) Research Facility, University of Western Ontario, London Ontario, Canada; Katrina A. Moser, Lakes and Reservoir Systems (LARS) Research Facility, University of Western Ontario, London Ontario, Canada; Craig Woodward, Geography Planning and Environmental Management, University of Queensland, Brisbane St. Lucia, Australia; Kathleen Rühland, Paleocological Environmental Assessment Research Laboratory (PEARL) Queen's University, Kingston Ontario, Canada; John P. Smol, Paleocological Environmental Assessment Research Laboratory (PEARL) Queen's University, Kingston Ontario, Canada, *Determining Anthropogenic Impacts on Kettle Lakes in Southern Ontario (Canada) using a Paleolimnological Approach*.

9:20 Fei Ma*, University of Wisconsin Madison, *A modern analog analysis of dipole system for the East Asia summer monsoon and its arid surrounding areas during the recent 8000 years*.

4144. Frontiers in Weathering Geomorphology I (Sponsored by Paleoenvironmental Change Specialty Group, Geomorphology Specialty Group, Water Resources Specialty Group)

Room: 213 - Washington State Convention Center, Level 2
(Paper Session)

ORGANIZER(S): Gregory A. Pope, Montclair State University

CHAIR(S): Steve Gordon, US Air Force Academy

8:00 Ronald I. Dorn*, Arizona State University, *Nanoscale:*

mineral weathering boundary.

8:20 Steve Gordon*, United States Air Force Academy; Ronald

I. Dorn, Arizona State University; David Krinsley,

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- University of Oregon; Kurt Langworthy, University of Oregon, *Weathering at the Nanoscale: Spatial Analysis of Geochemistry and the Transition of Dust to Rock Coating*.
- 8:40** Donald Thieme*, Valdosta State University, *Weathering on Erosional and Depositional Landforms of the Ocmulgee River valley, Georgia, USA*.
- 9:00** Ian Meiklejohn*, Rhodes University; Kevin Hall, University of Northern British Columbia; Paul Sumner, University of Pretoria, *Rock Art Weathering in Southern Africa: New Findings and Implications for Rock Art Research*.
- 9:20** Niccole V Cerveny, Ph.D.*, Mesa Community College; Casey Allen, Ph.D., University of Colorado-Denver; Ronald I Dorn, Ph.D., Arizona State University; Jason Theuer, Petrified Forest National Park, *Weathering Pedagogy: Teaching STEM with Weathering Science*.
- 4145. Sexualities, Health, Politics, Place (Part 1 of 2) (Sponsored by Health and Medical Geography Specialty Group, Sexuality and Space Specialty Group)**
- Room: 214 - Washington State Convention Center, Level 2 (Paper Session)
ORGANIZER(S): John Paul Catungal, University of Toronto; Michael P. Brown, University of Washington
CHAIR(S): Michael P. Brown, University of Washington
- 8:00** John Paul Catungal*, University of Toronto, *Asian as Target Population: Biopolitical Representations and Material Cultures of HIV/AIDS*.
- 8:20** Vincent J. Del Casino*, California State University, Long Beach; Hyowon Ban, California State University, Long Beach; Jacqueline Mills, California State University, Long Beach; Deborah Thien, California State University, Long Beach, *Mapping an epidemic?: HIV Disease and the Sexual Politics of Geoconfidentiality*.
- 8:40** Maria Fannin*, University of Bristol, *Biotechnological Sex*.
- 9:00** Mark Hunter*, University of Toronto, *Commodifying Intimacy? Promiscuous Capital, the Ethics of Exchange, and AIDS in South Africa*.
- 4146. Working With Risk: Comparing the employment experiences of individuals who work in different sectors, industries, occupations and locations (Sponsored by Economic Geography Specialty Group)**
- Room: 2A - Washington State Convention Center, Level 2 (Paper Session)
ORGANIZER(S): Brian J. Hracs, University of Toronto
CHAIR(S): Brian J. Hracs, University of Toronto
- 8:00** Steven Tufts*, York University; Mark Thomas, York University; Norene Pupo, York University, *Labour's Response to Manufactured Vulnerabilities in the Hospitality Sector*.
- 8:20** Elliot Siemiatycki*, University of British Columbia, Department of Geography, *Precarious Vancouver: A Comparative Case-Study of Employment Relations in the Post-Industrial City*.
- 8:40** Melanie Fasche*, HafenCity University Hamburg, *Risky careers: critical reflections on talent, knowledge production and reward structures*.
- 9:00** Brian J. Hracs, PhD*, University of Toronto, *Revisiting Reflexivity: Exploring the common experience of employment risk among 'low skill' service and 'high skill' creative workers*.
- 4148. The Difference of Things**
- Room: Cirrus Ballroom - Sheraton Hotel, Pike Tower, Thirty Fifth Floor (Paper Session)
ORGANIZER(S): Keith Woodward, University of Wisconsin-Madison
CHAIR(S): Keith Woodward, University of Wisconsin-Madison
- 8:00** Susan Ruddick, Associate Professor*, University of Toronto; Leesa Fawcett, Associate Professor, York University, *Biosemiosis meets Zoopolis: Night*.
- 8:15** Chris Van Dyke*, University of Kentucky, *A Moveable Democracy? Rethinking Bruno Latour's 'The Politics of Nature'*.
- 8:30** Levi R Bryant, PhD*, Collin College, *Tangled Geographies: Object-Oriented Ontology and Topological Space-Times*.
- 8:45** Robin Mackay*, Urbanomic, *Plutonic Seduction*.
- 4150. Issues of Access in Health Care (Sponsored by Spatial Analysis and Modeling Specialty Group, Health and Medical Geography Specialty Group)**
- Room: Boren - Sheraton Hotel, Union Tower, Fourth Floor (Paper Session)
ORGANIZER(S): Michael Widener, University at Buffalo; Mark Horner, Florida State University
CHAIR(S): Michael Widener, University at Buffalo
Introducer: Michael Widener
- 8:00** Hope Rothermel*, West Chester University; James Lewandowski, Ph.D, West Chester University, *Mental health services acceptance as an effect of assimilation pressure: A proximity analysis of powwow location*.
- 8:20** Stacey R Brown*, Oklahoma State University, *Doctor Deficit? Physician Accessibility in Oklahoma City, OK*.
- 8:40** Sarah E. Schwartz*, University of South Carolina, *HIV testing in Swaziland: The closest option is not always the preferred option*.
- 9:00** Mark Horner*, Florida State University, *Exploring the challenges of measuring spatial access to oral care services in rural communities*.
- 9:20** Sara Metcalf*, University at Buffalo (SUNY); Michael Widener, University at Buffalo (SUNY); Mary Northridge, New York University & Columbia University; Bibhas Chakraborty, Columbia University; Stephen Marshall, Columbia University; Ira Lamster, Columbia University, *Simulating Access to Oral Health Intervention Opportunities for Urban Seniors*.
- 4151. Rights, Space, and Places I (Sponsored by Political Geography Specialty Group, Urban Geography Specialty Group)**
- Room: Columbia - Sheraton Hotel, Union Tower, Fourth Floor (Paper Session)
ORGANIZER(S): James DeFilippis, Rutgers University; David Imbroscio, University of Louisville
CHAIR(S): James DeFilippis, Rutgers University
- 8:00** Britt Crow-Miller*, University of California, Los Angeles, *Placing Collective Action: Place and the Politics of Environmental Protest in a Chinese Town*.
- 8:20** Joseph Pierce*, Clark University; Deborah G Martin, Clark University, *The Rights to our Cities: reading Lefebvre through a contentious politics of rights*.
- 8:40** Michael Rios*, University of California, Davis, *Place-making as Citizen-making*.
- 9:00** James DeFilippis*, Rutgers University, *What does the right to the city mean in an immigrant society?*
Discussant(s): Mark H. Purcell, University of Washington

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- 4152. Navigating the Geographies of Food I (Sponsored by Political Geography Specialty Group, Cultural and Political Ecology Specialty Group, Rural Geography Specialty Group)**
Room: *Jefferson - Sheraton Hotel, Union Tower, Fourth Floor*
(Paper Session)
ORGANIZER(S): Kathryn Morrison, University of Victoria; Garrett Graddy, University of Kentucky
CHAIR(S): Kathryn Morrison, University of Victoria
8:00 Kathryn Morrison, MSc (cand)*, University of Victoria; Trisalyn Nelson, PhD, University of Victoria; Aleck Ostry, PhD, University of Victoria, *Mapping and modeling local food capacity in British Columbia.*
8:20 Sally D Hodgson*, University of Victoria, *Food Safety vs. Food Security: Effects of rigorous food safety regulations on rural food security.*
8:40 Rachele Beveridge*, University of Victoria; Kathryn Morrison, University of Victoria; Aleck Ostry, University of Victoria, *Local food, national nutrition: An assessment of Canadian food self-reliance.*
9:00 Brídín E Carroll, BA, LLB*, National University of Ireland, Galway, *Tracing 'buy Irish food' campaigns: sustainability, austerity or protectionism?.*
9:20 Sarah Buchanan, B.Sc., M.Sc. Candidate*, University of Victoria, Department of Geography; Aleck Ostry, MSc, MA, PhD., University of Victoria, *Climate change, water management, and food security in British Columbia.*
- 4156. Advances in Geospatial Analysis**
Room: *Seneca - Sheraton Hotel, Union Tower, Fourth Floor*
(Interactive Short Paper Session)
ORGANIZER(S): Program Committee
CHAIR(S): Mark Henderson, Mills College
8:00 Aaron Burgess*, IUPUI Department of Geography; Jeffrey Wilson, PhD, IUPUI Department of Geography; Shawn Hoch, MS, IU School of Medicine; Sarah Wiehe, MD, MPH, IU School of Medicine, *Methods for Determining Linear Paths and Locational Position using GPS Data Points.*
8:05 Junfang Chen*, Texas State University, *Do Geospatial Tools Affect the Learning Accuracy and Satisfaction? - Case Study of Obesity Scenario.*
8:10 Kristen D Winter*, Central Washington University, *Adding a Spatial Perspective to Collaborative Community-Based Conflict Resolution Model for Wildlife Management.*
8:15 Sivakumar Mohandass*, Department of Geography, Kansas State University; Stacy Hutchinson, PhD, Department of BioAg Engineering, Kansas State University; John Harrington, Jr., PhD, Department of Geography, Kansas State University; Scott Staggenborg, PhD, Department of Agronomy, Kansas State University, *Geoprocessing Water Budget Estimates for Kansas Climatic Regions.*
8:20 Elizabeth Goss*, WSDOT, *Temporal aspects of emergency response data collection methodologies within a GIS.*
8:25 Michael Frates*, *Demystifying Colloquial Tornado Alley.*
8:30 Austin Stanforth, MS*, Student, *Identifying variations of socio-spatial vulnerability to heat-related mortality during the 1995 Extreme Heat Event in Chicago, IL.*
8:35 David J. Cowen*, University Of South Carolina, *Current Activities of the National Geospatial Advisory Committee.*
8:40 Mark Henderson*, Mills College; Karl Ryavec, University of Wisconsin, Stevens Point, *Spatial structures of Chinese Muslim and Tibetan societies, 1800-2011.*
- 4158. Religion and the Environment (Sponsored by Geography of Religions and Belief Systems Specialty Group)**
Room: *University - Sheraton Hotel, Union Tower, Fourth Floor*
(Paper Session)
ORGANIZER(S): Michael P. Ferber, The King's University College; Deborah Lee, National University of Singapore
CHAIR(S): Deborah Lee, National University of Singapore
8:00 Deborah Lee*, National University of Singapore, *Transnational Environmental Faith-based Organisations: Opportunities and Obstacles in Singapore.*
8:20 Michael P. Ferber, PhD*, The King's University College; Leanne Wilson, PhD, The King's University College, *'I'll Fly Away' or 'Christ's Great Kingdom Shall Come to Earth'? Christian Eschatology and the Environment.*
8:40 Garrett C. Smith, Ph.D.*, Kennesaw State University, *Flexibility & Divine Stewardship of the Land The Story of a Cistercian Monastery.*
9:00 David J. Butler, Ph.D.*, University College Cork (UCC), Ireland, *Sacred spaces and funerary practices in nineteenth-century Ireland.*
Discussant(s): Edward H. Davis, Emory & Henry College
- 4159. The Bigger Picture: Infrastructure, Governance, and Mobility (Sponsored by Transportation Geography Specialty Group)**
Room: *Virginia - Sheraton Hotel, Union Tower, Fourth Floor*
(Paper Session)
ORGANIZER(S): Julie Cidell, University of Illinois
CHAIR(S): Clarence Woudsma, University of Waterloo
8:00 Antoine Fleury, PhD*, CNRS - UMR Géographie-cités; Marianne Guérois, PhD, Université Paris Diderot - UMR Géographie-cités, *Hypermobility in Europe and the reshaping of city practices - The Berlin case.*
8:20 Sandrine Berroir, PhD*, Université Paris Diderot - UMR Géographie Cités; Nadine Cattán, Dr. Prof., CNRS - UMR Géographie-cités; Jean-Michel Decroly, Dr. Prof., Université Libre de Bruxelles; Samuel Rufat, PhD, Université de Cergy-Pontoise - UMR Géographie-cités, *New mobility patterns and urban networks in Europe.*
8:40 Devon Lechtenberg*, University of Illinois at Urbana-Champaign, *Bureaucratic Reform and the Realization of the Autostrady in Poland: The Case of the A1.*
9:00 David J. Keeling, Ph.D.*, Western Kentucky University; Robbie Doughty, Robert Doughty Consultancy Limited, *The Lincolnshire By-Pass Line - Challenges for Rail Infrastructure.*
9:20 Clarence Woudsma*, University of Waterloo; Paul Jakubicek, University of Waterloo, *Planning and Logistics: New Perspectives in the GTA?.*
- 4161. China: Housing and Urbanization (Sponsored by China Specialty Group)**
Room: *Ballard - Sheraton Hotel, Pike Tower, Third Floor*
(Paper Session)
ORGANIZER(S): Piper Gaubatz, University Of Massachusetts
CHAIR(S): Wei Xu, University of Lethbridge
8:00 Yuling Song*, National Changhua University of Education, *The formation and differentiation of housing spatiality among Shanghai's new rich.*
8:20 Wenze Yue*, 1. Department of Land Management, Zhejiang University, Hangzhou 310029, China; Yong Liu, College of Resources and Environment, Southwest University, Chongqing 400716, China; Peilei Fan, School of Planning, Design, and Construction, Michigan State University, East Lansing 48823, USA, *Urban sprawl and its driving process in China: the case of Hangzhou.*

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- 8:40** Amy Y.M. Zhang*, The University of Hong Kong, *Emerging Geography of Land-driven Urbanization in China: A Study of Land Development and Local Economic Growth in Prefecture-level Cities, 2002 - 2008.*
- 9:00** Tao Liu*, Peking University; Guangzhong Cao, Peking University, *What explains city sizes in china? A land use perspective.*
- 4164. Paleoenvironments**
Room: *Fremont - Sheraton Hotel, Union Tower, Third Floor*
 (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Charles W. Emerson, Western Michigan University
- 8:00** Jacob M McDonald*, University of Georgia; David S Leigh, University of Georgia, *Geomorphic Evolution of Whiteoak Bottoms, Nantahala River Valley, Western North Carolina, USA.*
- 8:20** Matthew D Therrell, PhD*, Southern Illinois University; Robert Swap, PhD, University of Virginia, *Dendrochronology in Mozambique.*
- 8:40** Ashley B. Zung*, University of Kansas; Johannes J. Feddema, Ph.D., University of Kansas, *Potential for buried soils to improve the Great Plains paleoclimate record: Initial findings.*
- 9:00** Carole A. Tomlinson, Ph.D.*, Haskell Indian Nations University; Carole A. Tomlinson, Ph.D., Haskell Indian Nations University, *Paleogeography, Paleoenvironment and the Initial Appearance of Key Mesozoic Vertebrate Structures.*
- 9:20** Charles W. Emerson*, Western Michigan University; Robert L Anemone, Dept of Anthropology, Western Michigan University, *A Predictive Model for Locating Eocene Mammalian Fossils in the Great Divide Basin, Wyoming.*
- 4165. China Population I: Migration and Population in Transnational Contexts (Sponsored by China Specialty Group)**
Room: *Greenwood - Sheraton Hotel, Union Tower, Third Floor*
 (Paper Session)
 ORGANIZER(S): Piper Gaubatz, University Of Massachusetts
 CHAIR(S): Maggi Leung, Utrecht University
- 8:00** LIU Yungang*, Sun Yat-sen University; TAN Yuwen, Sun Yat-sen University, *Glocalised Japanese Sojourners in China: a case of Guangzhou.*
- 8:20** Lan-Hung Nora Chiang*, National Taiwan University, *Floating Global Citizens: Experiences of Recent Young Taiwanese Returnees from Canada and New Zealand.*
- 8:40** Maggi W.H. Leung*, Utrecht University, *Geographical mobility as capital: A study of transnational academic space among Chinese scholars.*
- 9:00** Elaine Lynn-Ee Ho, Dr.*, University of Leeds, *Human capital exchange to Canada and 'return' migration to China: Reasons and outcomes.*
- 4166. Reframing Islandness I: Lived Experiences, Critical and Discursive Cartographies in Island Worlds (Sponsored by Political Geography Specialty Group, Socialist and Critical Geography Specialty Group, Cultural Geography Specialty Group)**
Room: *Issaquah A - Sheraton Hotel, Union Tower, Third Floor*
 (Paper Session)
 ORGANIZER(S): Joseph Palis, North Carolina State University; Arnd Holdschlag, Institute of Geography, University of Hamburg
 CHAIR(S): Joseph Palis, North Carolina State University
- 8:00** Laura Brewington*, University of North Carolina - Chapel Hill, *The Galapagos Islands as Bounded Space, Conceptual Nature, and Legal Territory.*
- 8:20** Wardlow Friesen*, University of Auckland, *The politics of paradise in the western Solomon Islands.*
- 8:40** Sarah Kennedy*, School of GAP, *The importance of language for island identities.*
- 9:00** Elaine Stratford, PhD*, University of Tasmania, *The cartographic impulse and the understanding of island form, effect, and sense of being?.*
- Discussant(s): Lisa Marshall
- 4167. Emerging Issues in Governance**
Room: *Issaquah B - Sheraton Hotel, Union Tower, Third Floor*
 (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Maano Ramutsindela
- 8:00** Yuseung Kim*, University of Southern Maine; Charles Colgan, University of Southern Maine; Jack Kartez, University of Southern Maine, *Modeling Coupled Social-Ecological Systems: Sustainable Urban Regions Project in Maine.*
- 8:20** Jamie Linton*, Queen's University, *Water, Policy, and Social Opportunity.*
- 8:40** Corin de Freitas*, University of British Columbia, *Meta2010: Governance and Participation on the Rio das Velhas.*
- 9:00** Maano Ramutsindela*, University of Cape Town, *Ecogeopolitics in Southern Africa: Its Moments and Trajectories.*
- 4168. Food Deserts and Food Access (Sponsored by Urban Geography Specialty Group)**
Room: *Kirkland - Sheraton Hotel, Union Tower, Third Floor*
 (Paper Session)
 ORGANIZER(S): Julie Cidell, University of Illinois
 CHAIR(S): David Fazzino, University of Alaska Fairbanks
- 8:00** Ryan Williams*, USDA Economic Research Service; Chris Dicken, USDA Economic Research Service; Vince Breneman, USDA Economic Research Service, *Food Deserts: Development of a National Assessment.*
- 8:20** Julienne Gard*, University of Southern California, *Los Angeles Foodscapes: Profiling Food Distribution in a Large Metropolitan Area.*
- 8:40** Meghan Reed*, Michigan State University; Kirk P. Goldsberry, Michigan State University, *Understanding the Impact of Variation in Produce Access on Dietary Choices in Lansing, Michigan.*
- 9:00** J. Gaines Wilson*, University of Texas at Brownsville; Jennifer Brinkworth, The University of Texas at Brownsville; Jennifer J Salinas, PhD, The University of Texas Health Science Center, School of Public Health - Brownsville Campus, *Lunch line broccoli or off-campus fries? Evaluating the food environment around schools in a Mexican American border community..*
- 9:20** David V Fazzino, PhD, JD*, University of Alaska Fairbanks; Robert Bowman, BS, University of Alaska Fairbanks, *Mapping Subsistence and Production in the Fairbanks Food Desert.*

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- 4172. Twenty-plus years of transformation: reflections on "post"-socialism across Eurasia (Sponsored by Russian, Central Eurasian, and East European Specialty Group, Asian Geography Specialty Group, European Specialty Group)**
Room: Metropolitan Ballroom B - Sheraton Hotel, Third Floor (Panel Session)
 ORGANIZER(S): Jessica K. Graybill, Colgate University; Darrin Magee, Hobart & William Smith Colleges
 CHAIR(S): Jessica K. Graybill, Colgate University
 Panelists: Merje Kuus, University Of British Columbia; Craig ZumBrunnen, University Of Washington; Beth Mitchneck, University of Arizona; Alexander C. Diener, Pepperdine University; Jun Zhang, National University of Singapore; Josh P. Newell, University of Michigan; Joseph Hannah, University of Washington
- 4173. Geoweb for Community Development: Case Studies and Theory (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group)**
Room: Queen Anne - Sheraton Hotel, Union Tower, Third Floor (Paper Session)
 ORGANIZER(S): Peter Johnson, McGill University
 CHAIR(S): Peter Johnson, McGill University
8:00 Michael Buzzelli*, The University of Western Ontario, *Volunteered geographic information (VGI) in the Geoweb: reliable or amateurish?*
8:20 Peter A. Johnson, PhD*, McGill University, *Using the Geoweb to Engage Rural Communities in Economic and Environmental Decision-Making.*
8:40 Eliza Bettinger*, Hunter College - City University of New York, *Evaluating New GeoWeb Mapping Tools for Use with PGIS Applications: A Case Study of Parcelization and Land-Use Change in a Northeast Forestland.*
9:00 Samantha Brennan*; Aidan Whiteley*; Jon Corbett, Dr., *Harnessing the chaotic: using the Geoweb as a tool to support social change.*
9:20 Alan McConchie*, University of British Columbia; Brian Klinkenberg, University of British Columbia, *Hybrid Counter-cartography: Google Maps and the Participatory Re-mapping of the Vancouver 2010 Winter Olympics.*
- 4174. The Experiences of Immigrants in International Urban Areas (Sponsored by Population Specialty Group, Urban Geography Specialty Group, Ethnic Geography Specialty Group)**
Room: Ravenna - Sheraton Hotel, Union Tower, Third Floor (Paper Session)
 ORGANIZER(S): Carlos Teixeira, University of British Columbia Okanagan; Wei Li, Arizona State University
 CHAIR(S): Carlos Teixeira, University of British Columbia Okanagan
8:00 Sarah Zell*, University of British Columbia, *Outsourcing the Border: Labor Brokers and Guestworker Mobility in Foreign Worker Recruitment to Canada.*
8:20 Ishan Ashutosh*, The Ohio State University, *New Solidarities and New Multiculturalisms: South Asian Experiences in Toronto.*
8:40 Alan P. Marcus*, Towson University, *The Place of Racial and Ethnic Dilemmas Among Brazilian Immigrants in the United States and Returnees in Brazil.*
9:00 Pierpaolo Mudu*, Universita Di Roma; Giulio Lucchini, Univ. of Paris 10, *Chinese Migration to Rome: Which Migration Model?*
9:20 Tu Lan*, University of North Carolina at Chapel Hill, *Made in Italy, by Chinese: how Chinese migrants and global in-sourcing are changing the Italian textile and clothing industry.*
- 4175. Putting Geography into Practice and the U.S. National Climate Assessment (Sponsored by Human Dimensions of Global Change Specialty Group, Hazards Specialty Group)**
Room: Wallingford - Sheraton Hotel, Union Tower, Third Floor (Panel Session)
 ORGANIZER(S): Lesley Noel Patrick, City University of New York; William D. Solecki, Hunter College
 CHAIR(S): William D. Solecki, Hunter College
 Panelists: William D. Solecki, Hunter College; Kirstin Dow, University of South Carolina; Thomas J. Wilbanks, Oak Ridge National Laboratory
- 4177. Dynamics of Spatiotemporal Land Use Change (Sponsored by Space-Time Symposium)**
Room: Cedar Room - Sheraton Hotel, Second Floor (Paper Session)
 ORGANIZER(S): Space-Time Symposium Organizing Committee
 CHAIR(S): Rachel Headley, United States Geological Survey
8:00 Jun Luo*, Missouri State University, *Spatial-Temporal Analysis of Urban Land Use in GIS Environment.*
8:20 Shanqi Zhang*, University of Georgia; Xiaobai Yao, University of Georgia, *Social-spatial structure of Beijing: a spatial-temporal analysis.*
8:40 Su Jin Lee*, USC Geography; Travis Longcore, University of Southern California; John Wilson, University of Southern California, *A Study of the Ecological Consequences of Mansionization in Los Angeles County.*
9:00 Rachel Headley*, United States Geological Survey, *Expanding the Reach of Landsat Data by Reducing Barriers.*
9:20 Amanda Weaver*, University of Denver; Sharolyn Anderson, University of Denver, *Subdividing FarmVille: Temporal Change in Land Use.*
- 4178. Spatiotemporal Analysis of Crimes and Emergencies (Sponsored by Space-Time Symposium)**
Room: Douglas Room - Sheraton Hotel, Second Floor (Paper Session)
 ORGANIZER(S): Space-Time Symposium Organizing Committee
 CHAIR(S): Kate Beard, University of Maine
8:00 Hardeep Bajwa*, Esri; Adam Pittman, Esri; Earl Sarow, Esri, *Identifying and analyzing spatiotemporal patterns of criminal activity in Washington, D.C..*
8:20 Zhanming Wan*, Institute for Geospatial Research and Education; Hai Lan, Institute for Geospatial Research and Education; Yichun Xie, Institute for Geospatial Research and Education, *Indoor Location Service via adopting Sensors, Micro-chips and Closed-Circuit Television.*
8:40 Po-Hui Yu*, National Taiwan University; Jinn-Guey Lay, Prof., National Taiwan University, *Exploring non-stationarity of mechanism of crime events with spatial-temporal weighted regression.*
9:00 Douglas J Wiebe, PhD*, University of Pennsylvania, *Space-time case-control study of adolescents' daily activities and the risk to be assaulted.*
9:20 Kate Beard*, University of Maine, *Event exploration using the Eventviewer: an investigation of Crime Events.*

FRIDAY, APRIL 15 • 8:00 AM - 9:40 AM • 4100**4179. Spaces of Identity in Europe**

Room: *Grand Ballroom A - Sheraton Hotel, Second Floor*

(Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): John Oswald

8:00 Béla Filep, MSc / MA*, Harvard University / University of Bern, *Building good-neighbourly relations in East Central Europe.*

8:20 James W. Scott*, University of Eastern Finland, *Hungarian Cultural Geopolitics and the "Europeanization" of Borders: The Case of Transcarpathia.*

8:40 Egon Nagy*, Babes-Bolyai University, Cluj-Napoca, Romania, *Cross-Border Cooperation Patterns in Eastern-Europe - the Case Study of Romanian-Hungarian Border.*

9:00 Georgeta Stoian Connor*, Gainesville State College, *Contesting the Trianon Treaty: The Politics of Minorities and the Autonomy Debate within the So-called Szekler Land in Transylvania, Romania.*

9:20 John Oswald*, University of Texas at Austin, *Erasing the Other: Understanding the Complexities of the Cyprus Divide..*

Adam Dorn, City of Fond du Lac Engineering Division; Richard E Goding, City of Fond du Lac Engineering Division, *Post-Event Community-Based Urban Flood Hazard Mapping by Aerial Photography: Case of Fond du Lac, WI.*

9:20 Melanie Gall*, Louisiana State University, *Dogs, Cats, and GPS: Implementing an Animal Survey in post-earthquake Port-au-Prince, Haiti.*

4182. Meet the Editors of the Annals and the Professional Geographer

Room: *Grand Ballroom D - Sheraton Hotel, Second Floor*

(Panel Session)

ORGANIZER(S): Antoinette M.G.A. WinklerPrins, Michigan State University

CHAIR(S): Antoinette M.G.A. WinklerPrins, Michigan State University

Discussant(s): Mark Alan Fonstad, Texas State University, San Marcos; Audrey L. Kobayashi, Queen's University; Mei-Po Kwan, Ohio State University; Peter O. Muller, University of Miami; Bimal Kanti Paul, Kansas State University; Karl S. Zimmerer, Penn State University; Barney Warf, University of Kansas

4180. Conflict and Cooperation in Water Management

Room: *Grand Ballroom B - Sheraton Hotel, Second Floor*

(Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Jacob Petersen-Perlman, University of Montana

8:00 Melissa Mauzy*, University of Arizona, *A History of Legal Conflicts Concerning Environmental Water Transactions in the Australian Water Market.*

8:20 Mariya Pak*, Oregon State University; Kim Ogren*, Oregon State University; Aaron Wolf, PhD*, Oregon State University, *Water Conflict Management and the Bureau of Reclamation in the US West.*

8:40 Paul R Sando, Ph.D.*, MN State University at Moorhead, *The Souris River Basin and Northwest Area Water Supply Project: Water Issues and Environmental Relations between States and Provinces..*

9:00 Douglas R. Clark*, US Bureau Of Reclamation; Dennis Kubly, Bureau of Reclamation, *An Adaptive Management Workshop Manual to Assist in the Prevention, Management and Resolution of Water Resource Conflicts.*

9:20 Jacob Petersen-Perlman*, Oregon State University; Jennifer C. Veilleux*, Oregon State University; Brendan Galipeau, Oregon State University, *Changing Agendas and Interests of Columbia River basin stakeholder: Dams, People, Fish, Access, and Transportation..*

4183. Approaches to Sustainable Development

Room: *Juniper Room - Sheraton Hotel, Second Floor* (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): James L. Mulvihill, California State University - San Bernardino

8:00 João Guedes Fumega, Mr.*, Centre for Geographical Studies; Eduarda Marques da Costa, Professor, Centre for Geographical Studies; Ana Louro, Mrs., Centre for Geographical Studies, *A methodological approach to the sustainable community's concept.*

8:20 Nalini Jain, Ms*, Sophia college Ajmer; sunita pachori, Dr., Government college, Ajmer, *A Spiritual Path Towards Economic Development (In reference to JAINISM).*

8:40 Suresh Singh*, cambridge institute of technology; Bahadur Singh, Cambridge Institute Of Technology, *Sustainable Development of Cities.*

9:00 Henry W Bullamore, AICP*, Frostburg State University, *Smart Non-growth: The Planning Challenges of Declining Communities.*

9:20 James L. Mulvihill, AICP*, California State University - San Bernardino, *Examining Examples of Urban Planning Procedures Used in Promoting Sustainable Development in California..*

4181. Preparing for and Managing Disaster Events

Room: *Grand Ballroom C - Sheraton Hotel, Second Floor*

(Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Melanie Gall, Louisiana State University

8:00 Christopher Joseph Dunbar*, Salem State University, *Analysis of Ecological Services and Functions and Socio-Economic Changes in Post-Tsunami Thailand.*

8:20 Bandana Kar, Assistant Professor*, University of Southern Mississippi; Asim Yousafzai, Assistant Professor, University of Southern Mississippi, *A Comparative Analysis of Disaster Risk Reduction Approaches to the 2010 Flooding of South Asia.*

8:40 Aaron Myers*, Oak Ridge National Laboratory; Mark Tuttle, Oak Ridge National Laboratory; Raju Vatsavai, PHD, Oak Ridge National Laboratory, *Building a Lessons Learned Repository: Pre- and Post Event Test Bed.*

9:00 Mamadou Coulibaly*, University of Wisconsin Oshkosh; Jennifer Haegele, University of Wisconsin Oshkosh;

4184. Sport

Room: *Madrone Room - Sheraton Hotel, Second Floor* (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Margaret M. Gripshover, Western Kentucky University

8:00 Timothy Mulrooney*, North Carolina Central University, *Grappling With Geographic Diversity: Exploring Spatial Patterns of Collegiate Wrestling Opportunities Across the United States.*

8:20 Heledd M Jenkins*, Cardiff University; Andrea Collins, Dr, Cardiff University, *Shooting Green Goals? Environmental Management in the UK Football Industry.*

8:40 Jon J. Kedrowski, Ph.D.*, Central Washington University -- Department of Geography, Mountain Institute, *Climber Experience and Environmental Interactions on Mount Rainier, WA, USA.*

9:00 Margaret M. Gripshover*, Department of Geography and Geology, Western Kentucky University, *Weathering Spring Training in 1914: The Chicago Federals in Shreveport, Louisiana.*

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- 4186. Spatial Analysis and Volunteered Geographic Information (VGI) (Sponsored by Geographic Information Science and Systems Specialty Group, Space-Time Symposium, Cyberinfrastructure Specialty Group)**
Room: *Willow A - Sheraton Hotel, Second Floor (Paper Session)*
 ORGANIZER(S): Linna Li, University of California, Santa Barbara; Wenwen Li, University of California, Santa Barbara
 CHAIR(S): Michael Goodchild, University of California - Santa Barbara
8:00 Wenwen Li*, University of California, Santa Barbara; Michael Goodchild, University of California, Santa Barbara; Richard Church, University of California, Santa Barbara, *A heuristic algorithm to optimize automated zoning for urban economic modeling.*
8:20 Linna Li*, University of California, Santa Barbara; Michael F Goodchild, University of California, Santa Barbara, *The spatio-temporal patterns of VGI.*
8:40 Alan T. Murray, GeoDa Center for Geospatial Analysis and Computation, School of Geographical Sciences and Urban Planning, Arizona State University; Insu Hong*, GeoDa Center for Geospatial Analysis and Computation, School of Geographical Sciences and Urban Planning, Arizona State University; Ran Wei, GeoDa Center for Geospatial Analysis and Computation, School of Geographical Sciences and Urban Planning, Arizona State University, *Comparison Techniques for Solving an Implicit Coverage Model.*
9:00 Elisabeth Sedano, A.B.D.*, University of Southern California, *Design and Use of a Geowiki of Volunteered Geographic Information of Billboard Locations in Los Angeles, California.*

- 4187. Building World Historical Gazetteers from Historical GIS (2) (Sponsored by Space-Time Symposium, Harvard University Center for Geographic Analysis, Association of American Geographers)**
Room: *Willow B - Sheraton Hotel, Second Floor (Paper Session)*
 ORGANIZER(S): Merrick Berman, China Historical GIS, Harvard Univ
 CHAIR(S): Guoping Huang, Harvard GSD/CGA
8:00 Youcheol KIM, professor*; Byung Nam Yoon, professor; Hyunjong Kim, *The development of GIS-DB System for the historical gazetteer and its application in East Asia.*
8:20 Kei-ichi Okunuki*; Tsunetoshi Mizoguchi, Nagoya University, *Skinner's GIS Dataset of Early Meiji Japan.*
8:40 Tsunetoshi Mizoguchi*, Nagoya University, *Local gazetteers and Land-check survey records in Tokugawa and Meiji Era in Japan.*
 Discussant(s): Peter Bol, Harvard University

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- 4203. Methods to Identify Landscape Features**
Room: *603 - Washington State Convention Center, Level 6 (Paper Session)*
 ORGANIZER(S): Program Committee
 CHAIR(S): Katarina Doctor, George Mason University, United States Geological Survey
10:00 John D All, PhD, JD*, Western Kentucky University; Luke Miles, Western Kentucky University; Kamal Humagain, Western Kentucky University; William Oris, Western Kentucky University, *Assessing Relative Accuracies of ASTER and SRTM DEM Datasets in the Himalayan Mountains.*
10:20 Roger Brown*, Columbus State University, *Mapping Holocene terraces floodplain features on Upatoi Creek, Fort Benning, GA with high resolution DEMs derived from LIDAR data..*
10:40 Hongxing H Liu*, University of Cincinnati; Lei Wang, Louisiana State University; Haibin Su, University of Cincinnati, *Derivation of topological and geometric attributes for stream channel network from LiDAR DEMs by integrating hydrologic and morphologic approaches.*
11:00 Timothy Edward Keenan, BS Geology*, Saint Louis University, *Use of CRP and TLS in Laboratory Experiments Using Mobile Bed Stream Tables.*
11:20 Katarina Doctor*, George Mason University; Ronald Resmini, George Mason University; Daniel Doctor, United States Geological Survey; Sheryl Luzzadder-Beach, George Mason University, *Identification of Subsurface Water Channels Using Hyperspectral Imagery in Shenandoah Valley, VA.*

- 4204. River hydro-morphodynamics: Advances in technology toward a better process understanding (Sponsored by Geomorphology Specialty Group)**
Room: *604 - Washington State Convention Center, Level 6 (Paper Session)*
 ORGANIZER(S): Inci Guneralp, Texas A&M University; James Riley, Eastern Illinois University
 CHAIR(S): Frank L Engel, University of Illinois
10:00 James D. Riley*, Eastern Illinois University; Bruce L. Rhoads, University of Illinois at Urbana-Champaign, *Fluvial Dynamics of a Large Confluent-Meander Bend.*
10:20 Frank L Engel*, University of Illinois; Bruce L Rhoads, University of Illinois, *Can Boundary Shear Stress Be Estimated from aDcp Data in a Bend?.*
10:40 Kory M Konsoer*, University of Illinois; Bruce L Rhoads, PhD, University of Illinois; Kevin K Johnson, USGS, *Large-Scale Turbulence at Confluences of Large Alluvial Rivers.*
11:00 Claire M. Ruffing*, Kansas State University; Melinda D. Daniels, PhD, Kansas State University, *Incorporation of LiDAR in rapid watershed assessment.*
11:20 Carl J. Legleiter*, Department of Geography, University of Wyoming, *A hybrid approach to remote measurement of river morphology: Fusing LiDAR topography and spectrally-based bathymetry.*

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4206. **Alternative Perspectives on Hazards and Society (Sponsored by Hazards Specialty Group)**

Room: 606 - Washington State Convention Center, Level 6
(Paper Session)

ORGANIZER(S): Mathew Schmidlein, California State University, Sacramento

CHAIR(S): James M Jeffers, Rutgers University

10:00 Sara Grineski*, University of Texas at El Paso; Alma Hernandez, University of Texas at El Paso; Vicky Ramos, Gente a favor de gente, A.C., Cd. Juarez, *The impacts of Structural Violence and Event Violence: Raising Young Children in Ciudad Juárez.*

10:20 Robert J. Mason*, Temple University; Lynn Mandarano, Temple University, *Floods, Drought, and Flexible Flows on the Delaware River.*

10:40 Timothy Vatovec*, University of Kentucky, *The 'all-hazards' approach to preparedness: Disaster mitigation efforts and the re-territorialization of rural space.*

11:00 Charles J. Kelly*, The Cuny Center, *Earthquakes, Disaster Response and the Environment: The Practical Use of Geography.*

11:20 Mark O'keefe*, Clark University, *Chronic Crises in the Arc of Insecurity: A case Study of Karamoja.*

4208. **Education and Language**

Room: 608 - Washington State Convention Center, Level 6
(Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Grant Saff, Hofstra University

10:00 Karen Gibbs*, National Geographic Society; Julia Bolz, Ayni Education International, *Education In and About Afghanistan.*

10:20 Alan Goldin, Ph.D.*, Westminster College, *International Field Trips Led by International Students.*

10:40 Khalid Abaalzamat*, Qatar University, *Political Participation of Qatar University Students in the Municipal and parliament election in Qatar: Perceptions and Attitudes.*

11:00 Muharem Cerabregu*, Univ of Prishtina, *Fundamental Attributes of Geo-language: The Beginnings of art, Science and Culture Muharem Cerabregu, University of Prishtina.*

11:20 Grant Saff*, Hofstra University, *Strategies for Sustaining an Undergraduate Geography Program during a recession: the Geography Program at Hofstra University..*

4209. **SAM Student Paper Competition I (Sponsored by Spatial Analysis and Modeling Specialty Group)**

Room: 609 - Washington State Convention Center, Level 6
(Paper Session)

ORGANIZER(S): Fang Qiu, University of Texas - Dallas

CHAIR(S): Fang Qiu, University of Texas - Dallas

10:00 Michael J Widener*, University at Buffalo, *Developing a Parallel Computational Implementation of AMOEBa for Large Spatial Datasets.*

10:20 Jun Wang*, School of Natural Resources and Environment, University of Michigan, Ann Arbor; Dan Brown, School of Natural Resources and Environment, University of Michigan, Ann Arbor, *Geostatistical modeling and integration of global vegetation-index products in the Mongolian grasslands.*

10:40 Ninghua(Nathan) Wang*, San Diego State University/UC Santa Barbara; Li An, Dr., San Diego State University, *What statistical model can better detect land-change drivers? A comparative study of survival analysis, logistic regression and multivariate linear regression.*

11:00 Rebecca Loraamm*, University of South Florida, *Road-based landscape metrics for quantifying habitat fragmentation.*

11:20 Monica A Dorning*, University of North Carolina at Charlotte; Douglas A Shoemaker, University of North Carolina at Charlotte; Wenwu Tang, University of North Carolina at Charlotte; Ross K Meentemeyer, University of North Carolina at Charlotte, *Simulating Land Change Scenarios To Resolve Urbanization-Conservation Conflicts At The Edge Of Metropolis.*

4211. **Integration in the European Union (Sponsored by Political Geography Specialty Group, Landscape Specialty Group, European Specialty Group)**

Room: 611 - Washington State Convention Center, Level 6
(Paper Session)

ORGANIZER(S): Kara Dempsey, University of Wisconsin-Madison; Stephanie Wilbrand

CHAIR(S): Kara Dempsey, University of Wisconsin-Madison

10:00 Stephanie Wilbrand*, University of Girona, *European Integration through the European Landscape Convention.*

10:20 Katherine Jones*, King's College London, *EU Cultural Policy, European Imaginations, and the European Capital of Culture Programme.*

10:40 Kara Dempsey*, University of Wisconsin-Madison, *Monumental endeavors of "collective impression management": Galicia, Spain's international place-making efforts.*

11:00 Richelle Bernazzoli*, University of Illinois, Urbana-Champaign, *Not Whether but How: Considering the Securitization of the European Union Through the Lens of Security Governance.*

11:20 Borislav Nikoltchev*, University of Northern Iowa, *Economic polarization in Bulgaria and EU funded rural development programs, do they work?.*

4212. **The Reauthorization of the ESEA & K-12 Geography Education**

Room: 612 - Washington State Convention Center, Level 6 (Panel Session)

ORGANIZER(S): John Wertman, Association of American Geographers

CHAIR(S): John Wertman, Association of American Geographers

10:00 John Wertman, Association of American Geographers

10:10 Susan Gallagher, Association of American Geographers

10:20 Mary Conway, Office of Senator Patty Murray

10:30 Kelly Martin, Office of the Superintendent of Public Instruction

10:40 Staff Member, Office of Congressman David Reichert

10:50 Alan Burke, Office of the Superintendent of Public Instruction

4213. **J. Warren Nystrom Award Session**

Room: 613 - Washington State Convention Center, Level 6
(Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Program Committee

10:00 Jeremy Bryson, PhD*, State University of New York, Cortland, *The Nature of Gentrification: Urban Environmental Veneers and Downtown Redevelopment in the Inland Northwest.*

10:20 Debarchana Ghosh*, Kent State University, *Delineating West Nile Virus Transmission Cycles: The Nearest Neighbor Distance Time (NNDT) Model.*

10:40 Edris J. Montalvo, Ph.D.*, Cameron University, *The Recruitment and Retention of Hispanic and African-American Undergraduate Students in Public Universities in the U.S., 2000-2006.*

11:00 Emma S. Norman, Ph.D.*, University of British Columbia, *Governing the Salish Sea U'wq "United": Cultural Politics in Transboundary Water Governance.*

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- 11:20** Jose Luis Silvan-Cardenas, PhD*, Geography and Geomatic Research Center; Jose Luis Silvan-Cardenas, PhD, Centrogeo, *Linking land cover change to population dynamics: A study of saltcedar invasion.*
- 4214. Truth, Authorship and Credibility in Travellers' Narratives (Sponsored by History of Geography Specialty Group, Cultural Geography Specialty Group, Historical Geography Specialty Group)**
Room: 614 - Washington State Convention Center, Level 6 (Paper Session)
 ORGANIZER(S): Charles W.J. Withers, University of Edinburgh; Innes M. Keighren, Royal Holloway, University of London
 CHAIR(S): Innes M. Keighren, Royal Holloway, University of London
- 10:00** Benjamin Breen*, University of Texas at Austin, *Travels in Paradise: Witnessing the Supernatural in the Early Modern Tropics, 1660-1720.*
- 10:20** Neil Safier*, History, *Listing Amazonia: How Catalogs Categorized the Eighteenth-Century Amazon.*
- 10:40** Christine Folch*, The Graduate Center, City University of New York, *Journeys of Empire: the Robertson brothers' Letters on Paraguay.*
- 11:00** Innes M. Keighren*, Royal Holloway, University of London, *"Written amid hurry and confusion": Richard Wilbraham's inscriptive practices as regimen and comfort.*
- 11:20** Charles W.J. Withers*, University of Edinburgh, *Narrative travels: text, authority and exploration in nineteenth-century accounts of Afghanistan.*
- 4215. Narrating Geographic Knowledge: Telling Stories, Writing the World (Sponsored by Qualitative Research Specialty Group, Indigenous Peoples Specialty Group)**
Room: 615 - Washington State Convention Center, Level 6 (Panel Session)
 ORGANIZER(S): Annette Watson; Laurie Richmond, University of Hawai'i/National Marine Fisheries Service (NMFS)
 CHAIR(S): Annette Watson
 Introducer: Annette Watson
 Panelists: Mark Palmer, University of Missouri-Columbia; Laurie Richmond, University of Hawai'i/National Marine Fisheries Service (NMFS); Julia Christensen; Anne Godlewska; Soren Larsen, University of Missouri; Annette Watson
- 4216. Exploring Literary Narrative and Geographic Space**
Room: 616 - Washington State Convention Center, Level 6 (Paper Session)
 ORGANIZER(S): James A. Ketchum, Association of American Geographers
 CHAIR(S): Jason Dittmer, University College London
- 10:00** Stephen Daniels, Professor*, University of Nottingham, *Literary Geographies.*
- 10:20** Jason Dittmer*, University College London; Alan Latham, University College London, *Space, Narrative, and Dave McKean's 'The Rut'.*
- 10:40** Adele J. Haft, Professor of Classics*, Hunter College of The City University of New York, *"Like Maps Laid Face to Face": Bodies as Maps from Aristophanes to Louise Bogan and Sharon Olds.*
- 11:00** Kimberly Black*, University of Tennessee, *Domesticity and Gendered Space in Maurice Sendak's "In the Night Kitchen".*
- 11:20** Mark Blumler*, SUNY-Binghamton, *Carl Barks, Children's Geographer.*
- 4217. New Models, Shifting Paradigms in the Geohumanities**
Room: 617 - Washington State Convention Center, Level 6 (Paper Session)
 ORGANIZER(S): James A. Ketchum, Association of American Geographers
 CHAIR(S): Margaret Pearce
- 10:00** Nasrine Seraji, Institute for Art and Architecture, Academy of Fine Arts Vienna; Angelika Schnell, Institute for Art and Architecture, Academy of Fine Arts Vienna; Michelle Howard, Institute for Art and Architecture, Academy of Fine Arts Vienna; Lisa Schmidt-Colinet, Institute for Art and Architecture, Academy of Fine Arts Vienna; Stefan Gruber, Institute for Art and Architecture, Academy of Fine Arts Vienna; Wolfgang Tschapeller, Institute for Art and Architecture, Academy of Fine Arts Vienna; Peter Leeb, Institute for Art and Architecture, Academy of Fine Arts Vienna; Christian Froehlich, Institute for Art and Architecture, Academy of Fine Arts Vienna; Werner Skvara, Institute for Art and Architecture, Academy of Fine Arts Vienna; Markus Vogl*, Institute for Art and Architecture, Academy of Fine Arts Vienna, *Conversion as inevitable condition.*
- 10:20** Stephen R Butcher, PhD*, Hiram College and American Military University, *Cognitive Linguistics in Human Geography.*
- 10:40** HariPriya Rangan*, Monash University, *Metaphors, translations, genres: New models for exploring the historical biogeography of transplanted species.*
- 11:00** Margaret Pearce*, University of Kansas, *Our Accomplice, the Map Reader.*
- 4218. Cartographic Representation of Korea (Sponsored by Asian Geography Specialty Group, Historical Geography Specialty Group)**
Room: 618 - Washington State Convention Center, Level 6 (Panel Session)
 ORGANIZER(S): Yeong-Hyun Kim, Ohio University
 CHAIR(S): Yeong-Hyun Kim, Ohio University
 Panelists: John R Short, University Of Maryland Baltimore County; Yeong-Hyun Kim, Ohio University; Yeon-Taek Ryu, Chungbuk National University, South Korea; Sungjae Choo, Kyung Hee University; David Lanegran, Macalester College; Soo Jin Park, SNU
- 4219. The right to nature/the right to the city: ideologies and practices of urban nature**
Room: 619 - Washington State Convention Center, Level 6 (Paper Session)
 ORGANIZER(S): Nik Janos; Hillary Angelo, New York University
 CHAIR(S): Nik Heynen, University of Georgia
- 10:00** Nik Janos, PhD Student*, UC Santa Cruz, *Sociology, Voices Out of the Wilderness: People, Salmon, Wetlands, and Environmental Justice in Seattle and New Orleans.*
- 10:20** Hillary Angelo*, New York University, *A Right to Urban Nature?.*
- 10:40** Mark Purcell*, University of Washington, *The Right to the City as Revolution.*
- 11:00** David Wachsmuth*, New York University, *Urban Metabolism and the Ideology of Nature.*

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4220. **Mobilities, Borders, and Confinement I: Confinement as Mobility (Sponsored by Population Specialty Group, Urban Geography Specialty Group, Ethics, Justice, and Human Rights Specialty Group)**

Room: 620 - Washington State Convention Center, Level 6

(Paper Session)

ORGANIZER(S): Matthew Mitchelson, Dartmouth College;

Dominique Moran, University of Birmingham

CHAIR(S): Matthew Mitchelson, Dartmouth College

10:00 Dominique Moran*, University of Birmingham, *Forced Mobility and Carceral Geography: Prisoner Transport in Russia.*

10:20 Benedicte Michalon*, CNRS, *How migratory routes shed light on geography of confinement.*

10:40 Graham Pickren, PhD Candidate*, University of Georgia, *'Factories with fences': The prison e-waste recycling factory at the intersection of green governance and labor market discipline.*

11:00 Geoffrey A Boyce*, University of Arizona, *The Rugged Border: Mobility, Inertia and Politics on the U.S. / Mexico Frontier.*

11:20 Christophe Mincke*, Louvain University (FUSL/CES), *Mobilitarian Ideology In Discourses On Imprisonment.*

Haron Stephen*, University of Nevada, Las Vegas; William J. Smith Jr., University of Nevada, Las Vegas; Zhongwei Liu, University of Nevada, Las Vegas, *Development of Geovisualization facility at GIS and Remote Sensing Core Lab, University of Nevada, Las Vegas.*

Christopher P. Garrity, United States Geological Survey; David R. Soller*, United States Geological Survey; Mark E. Reidy, United States Geological Survey, *Access to the National Geologic Map Database (NGMDB) Map Catalog via ArcGIS Image Server.*

Jess Martin*, Virginia Tech; Maria Elisa Christie, PhD, OIRED Director of Women in International Development, *Space and Place through Soils: Participatory Mapping, Ethnopedology, and the importance of Local & Gendered Knowledge.*

April A Buzby*, Keene State College; Amy N Curran*, Keene State College; Carly A Laliberte, Keene State College; Alexandra M Mckillop*, Keene State College; Sarah E Warwick*, Keene State College, *Now You See Them, Now You Don't: Vernal Pool Identification and Conservation in Keene, NH.*

Graham D. Markowitz, Undergraduate, Earth Science*, Emporia State University; Cory Ritz, Ulster County Soil and Water Conservation District, Ashokan Watershed Stream Management Program Project Manager; Richard Sleezer, Ph. D, Associate Professor Earth Science, Departments of Physical Sciences, Emporia State University, *Relationships between Stream Erosion and Geomorphic Variables within a Catskill Mountain Stream..*

Zed Langston*, *GIS Visualization for Water Technicians.*

Takashi Oda, PhD*, Ochanomizu University, Tokyo, *Assessing Regional Advantages for Sustainable Community Development: Collaborative Environmental Governance in San Francisco Bay Area.*

Michael Harrison*, University of Texas at San Antonio; Derek H. Alderman, East Carolina University, *Assessing Spatial Variability of Demographic Variables Associated with Renaming a Street in Honor of Martin Luther King, Jr. Using a GIS: A Case Study in Atlanta, Georgia.*

Hayley R. Hames*, University of Arkansas, *A tool for implementing hydrological enforcement of LiDAR-derived DEMs in low relief areas..*

Philip A Cavin*, University of Northern Iowa, *Using airborne LiDAR data and 3D dasymetric mapping technique to enhance population distribution maps in densely urbanized areas.*

David Cordner*, RGIS-Pacific Northwest, Central Washington University, *Regional Comprehensive Visual Sensitivity Assessment for Renewable Energy Facility Development.*

Sarah Peters*, University of Akron, *Using multicriteria GIS modeling to determine wind energy potential in the Great Lakes Region.*

Christopher O'Neal Klimaszewski*, Sacramento State University; Adam James O'Neal, Sacramento State University, *Is Extinct Really Extinct.*

Winn Ketchum*, East Tennessee State University, *Developing 3D Nearest Neighbor Analysis Through the Study of Spatial Patterns Inherent to Fossils of the Extinct Species *Tapirus polkensis* at the Gray Fossil Site, Washington County, Tennessee.*

Dan Haug*, Confederated Tribes of the Umatilla Indian Reservation, *Spatial Decision Support and Tribal Government: Holy Grail or Chimera?.*

Wenjie Sun*, Carthage College; Tom Evans, Indiana University, Bloomington, *Using GIS-based Spatially Explicit Decision-Making Lab Experiments to Explore Local Level LUCC Dynamics.*

4221. **GIS**

Room: 6ABC - Washington State Convention Center, Level 6

(Poster Session)

Jennifer Miller, Dawn Magness and Suzanne Mavoia's posters are included as part of the symposium on Space-Time Integration in Geography and GIScience and are on display in this session.

ORGANIZER(S): Program Committee

Marc Thompson*, Central Washington University, Resource Management Program; Robert Hickey, PhD, Central Washington University; Katharine Whitcomb, MFA, Central Washington University, *Geospatial Poetry - Washington Poetry and Google Earth.*

Lindsey Winn*; Lisa Henriksen; Nina Schleicher, *Temporal Trends in Spatial Access to Tobacco Retailers in California High School Neighborhoods.*

Emily D. Yates, M.S. *, Conservation GIS Lab, Chicago Botanic Garden; Susanne Masi, Plants of Concern Program, Chicago Botanic Garden; Greg Hitzroth, Plants of Concern Program, Chicago Botanic Garden, *Exploratory and GIS-based spatial analysis of rare plant data from the Chicago region.*

Zachary Little*, University of West Georgia; Jonathan Greer, University of West Georgia; Shea Rose, University of West Georgia, *A GIS Analysis of Mercury Bioaccumulation in Fish in West Georgia.*

Jennifer Melhiser*, University of North Alabama; Greg Gaston, Dr., University of North Alabama, *A least cost-path model to assist in establishing hiking trail corridors in Alabama.*

Moira Conway*, The Graduate Center, *Casino Location and Environmental Justice in Pennsylvania.*

Chad W. Misiuk*, Central Michigan University, *Rat Complaint Analysis - Dearborn, MI.*

Jessica E Eley*, University of Cincinnati, *Sex Offender Residences in Boundary Jurisdictions.*

Jamie Cannon*, Resource Management Graduate Program, Central WA Univ.; Robert Hickey, Department of Geography, Central WA University, *GIS Jobs: Educating our Students for the Current Job Market.*

Ben Overholt*, University of Wisconsin-Stevens Point; Charles Grieman, University of Wisconsin-Stevens Point; Lisa Theo, University of Wisconsin-Stevens Point, *The Spatial Distribution of University of Wisconsin-Stevens Point Alumni.*

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Samir Dhar*, University of Toledo; Peter Lindquist, Ph.D., University of Toledo, *Data Enhancement & Standardization: A Public and Private Effort*.

Alex Mandel*, University of California, Davis, *Free and Open Source Tools for GPS Data Management and Analysis*.

Kathryn Dickerson*, Geography Dept., University of New Orleans, *The Growth of Urban Sprawl Around Baton Rouge*.

Fleming Talton*, Appalachian State University; Ashleigh Turner, Appalachian State University; Chris A Badurek, Appalachian State University; Greg Dobson, UNC Asheville; John C Pine, Appalachian State University, *GIS Modeling and Analysis of Land Use Change Near Public Lands in Western North Carolina*.

Jessica Beal*, Frostburg State University, *Analyzing Changes in Land Use and Land Cover of Cumberland, MD*.

Sarah E Schafer*, University of Toledo; Peter S Lindquist, Ph.D., University of Toledo, *A GIS Connection between Brownfield Sites, Transportation and Infrastructure: An Economic Redevelopment Tool for Lucas County, Ohio*.

Anthony O Gabriel, PhD*, Department of Geography - Central Washington University; David Cordner, Center for Spatial Information - Central Washington University; Jeremy Murray, Center for Spatial Information - Central Washington University, *Use of Geospatial Techniques for Rapid Assessment, Monitoring and Aesthetic Evaluations of Lake Shorelines*.

Huiuk Yi*, Seoul National University; Hyeong-Dong Park, Seoul National University, *Estimation of Rock Quality Distribution for Mining Site Using Direct and Indirect Data Gained from Boreholes*.

Jennifer A. Miller*, University of Texas at Austin, *Using spatial simulation to analyze dynamic interactions between Brown Hyena pairs in Northern Botswana*.

Dawn R Magness, PhD*, USFWS; John M Morton, PhD, USFWS, *Forecasting Future Land Cover for Climate-Change Adaptation Planning on the Kenai National Wildlife Refuge, South-central Alaska*.

Suzanne Mavoa*, Massey University; Melody Oliver, Auckland University of Technology, *Exploring quantitative and qualitative methods in the analysis of children's independent mobility, physical activity and neighborhood environments*.

Teresa Albuquerque*, *temp*.

4224. Precipitation and Lightning

Room: 301 - Washington State Convention Center, Level 3 (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Ian Comstock, University of Alabama

10:00 Elsa Nickl*, University of Delaware; Cort J Willmott, University of Delaware, *Evaluation of gridded land-surface precipitation fields based on available station data*.

10:20 Ginger M. Kelly, Department of Geography and Planning*, Appalachian State University; L. Baker Perry, Department of Geography and Planning, Appalachian State University; Brett F. Taubman, Department of Chemistry, Appalachian State University; James P. Sherman, Department of Physics and Astronomy, Appalachian State University, *Aerosol-Precipitation Interactions in the Southern Appalachian Mountains*.

10:40 William M. Baldwin*, Mississippi State University; Jamie Dyer, PhD, Mississippi State University, *An analysis of cloud-to-ground lightning and precipitation in convective events in the lower Mississippi River Valley*.

11:00 Ian Comstock*, University of Alabama; Jason C Senkbeil, University of Alabama, *Classifying Landfalling Tropical Cyclones Using Precipitation Variables*.

4226. BSG PhD Student Paper Competition II (Sponsored by Biogeography Specialty Group)

Room: 303 - Washington State Convention Center, Level 3 (Paper Session)

ORGANIZER(S): Gabrielle L. Katz

CHAIR(S): Gabrielle L. Katz

10:00 Bardan Ghimire*, Graduate School of Geography, Clark University, Worcester, MA, United States.; Christopher A. Williams, Graduate School of Geography, Clark University, Worcester, MA, United States.; George J. Collatz, Biospheric Sciences Branch, NASA Goddard Space Flight Center, Greenbelt, MD, United States., *Fire effects on the carbon balance of western United States forests across different forest types and fire severity levels*.

10:20 Jesse Morris*, University of Utah; Andrea Brunelle, Ph.D., University of Utah, *High-resolution pollen and charcoal reconstructions of Holocene vegetation change and disturbance from spruce beetle, wildfire and human activity on two subalpine ranges in Utah, USA.*

10:40 Andrew D. Pierce*, Penn State University; Alan H. Taylor, Pennsylvania State University, *Landscape Patterns of Vegetation Communities: Fixed or Stochastic?*

4227. The Purpose of Cities from the Perspective of the First Precept--Toward a New Theology of Cities (Sponsored by Bible Geography Specialty Group)

Room: 304 - Washington State Convention Center, Level 3 (Panel Session)

ORGANIZER(S): William A. Dando, Indiana State University

CHAIR(S): Ronald Boyce

Panelists: Ronald Boyce; Daniel Kelly Ogden, Brigham Young University; Richard L. Morrill, University Of Washington; Raymond Bakke, Bakke Graduate University; Frank Spina, Seattle Pacific University

4228. Environments/Bodies/Health/Toxins: Emerging Perspectives (Sponsored by Cultural and Political Ecology Specialty Group, Health and Medical Geography Specialty Group, Energy and Environment Specialty Group)

Room: 305 - Washington State Convention Center, Level 3 (Paper Session)

ORGANIZER(S): Julie Guthman, Univ of California Santa Cruz; Becky Mansfield, Ohio State University

CHAIR(S): Julie Guthman, Univ of California Santa Cruz

10:00 Paul Robbins*, University of Arizona, *The Mosquito Industrial Complex: The Political Economy of Vector Disease Control in the US Southwest*.

10:20 Anna Stanley*, National University of Ireland, Galway; Anna Stanley, NUI galway, *existence's unlucky numbers: accumulation, securitization, and the instrumentalization of differentiated life*.

10:40 Bhavna Shamasunder, Doctoral Candidate*, University of California, Berkeley, *Chlorpyrifos Biomonitoring and the Scientization of Pesticide Debates*.

11:00 Kate J. Darby, Ph.D.*, Allegheny College, *Lead Astray: Politics of Scale, Heavy Metals Regulation and the Body in Paso del Norte*.

Discussant(s): Jill Lindsey Harrison, University of Wisconsin-Madison

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- 4229. Sea Level Rise, Impacts, and Policy II (Sponsored by Geographic Information Science and Systems Specialty Group, Remote Sensing Specialty Group, Coastal and Marine Specialty Group)**
Room: 306 - Washington State Convention Center, Level 3
(Paper Session)
ORGANIZER(S): Keqi Zhang; Thomas Richard Allen, East Carolina University
CHAIR(S): Lesley Noel Patrick, City University of New York
10:00 Karen Thorne*, U.S. Geological Survey; John Y. Takekawa, PhD, U.S. Geological Survey; Kyle Spragens, U.S. Geological Survey; Michael Casazza, U.S. Geological Survey; Cory Overton, U.S. Geological Survey; Kathleen Swanson, PhD, U.S. Geological Survey; Judith Drexler, PhD, U.S. Geological Survey, *The evaluation of projected sea-level rise impacts on salt marsh landscapes to support conservation of salt marsh species.*
10:20 Michael S Kearney, Ph.D.*, University of Maryland, *High Inter-annual and Decadal Variability in Recent Level Trends in the U.S. middle Atlantic Coast and Sudden Marsh Dieback.*
10:40 Xingong Li*, Department of Geography, University of Kansas; Chris Dobbs, Department of Geography, University of Kansas; Town Peterson, Department of Ecology and Evolutionary Biology, University of Kansas, *Comparison of GIS-based Sea Level Rise Inundation Delineation Methods.*
11:00 Ashley Enrici, M.A.*, Doctoral Student, Department of Geography, University of Maryland; Michael Paolisso, PhD, Associate Professor, Department of Anthropology, University of Maryland; Ellen Douglas, PhD, Assistant Professor, Department of Environmental, Earth and Ocean Sciences, University of Massachusetts Boston; Paul Kirshen, PhD, Research Leader, Batelle Memorial Institute; Adjunct Professor, Tufts University, *Adaptation and Vulnerability: Dealing with Sea Level Rise in Environmental Justice Communities.*
11:20 Keqi Zhang*, Department of Earth and Environment, *Assessment of Sea Level Rise Impacts on the Florida Keys Using LiDAR DTM and Aerial Photographs.*
- 4230. Rural Prospects in a Globalizing World II (Sponsored by Rural Geography Specialty Group, Development Geographies Specialty Group, Economic Geography Specialty Group)**
Room: 307 - Washington State Convention Center, Level 3
(Paper Session)
ORGANIZER(S): Pratyusha Basu, University of South Florida, Tampa; Bruce A. Scholten, University of Durham
CHAIR(S): Pratyusha Basu, University of South Florida, Tampa
10:00 James J. Biles*, City College of New York/CUNY, *Rural Development Policy in Yucatán, Mexico: Prerogatives and Possibilities.*
10:20 Mario Cardozo*, The University of Texas at Austin, *Market accessibility and smallholder income diversity in the Peruvian Amazon.*
10:40 Gilvan Guedes*, Brown University; Alisson Barbieri, Department of Demography and Cedeplar, Universidade Federal de Minas Gerais (UFMG); Bernardo Queiroz, Department of Demography and Cedeplar, Universidade Federal de Minas Gerais (UFMG), *The role of lot life cycle and integration into markets on land cover change in the Amazon: the case of Altamira, Pará.*
11:00 Asmita Bhardwaj*, Amity University, UP, *Genetically Modified Crops and Farm Suicides: The New Agrarian Question in India 's Emerging Economy.*
- 11:20** Pratyusha Basu*, University of South Florida, Tampa, *Cattle in the City: Encounters between Dairy Farming and Urban Planning in Delhi, India.*
- 4231. Climate Literacy 2: Beyond the Academy (Sponsored by Human Dimensions of Global Change Specialty Group, Climate Specialty Group, Geography Education Specialty Group)**
Room: 308 - Washington State Convention Center, Level 3
(Paper Session)
ORGANIZER(S): Dan Bedford, Weber State University; Lesley-Ann Dupigny-Giroux, University of Vermont
CHAIR(S): Dan Bedford, Weber State University
10:00 Antonia Rosati*, University of Colorado Denver, *Public Perceptions of Tsunamis and NOAA TsunamiReady Program in California.*
10:20 Brett Taubman, Appalachian State University; Baker Perry*, Appalachian State University; James Sherman, Appalachian State University; Ginger Kelly, Appalachian State University; Charles Haden, Appalachian State University; John Markham, Appalachian State University; Andrew LaChance, Appalachian State University, *CAN-DOO: Climate Action Network through Direct Observations and Outreach.*
10:40 Kiersten Miranda*, UNLV-SEPA; William J. Smith, Jr., PhD, UNLV-SEPA, *Nevada Water Managers' Perceptions of Climate Change.*
11:00 Lynn D. Rosentrater*, University of Oslo, *Exteriority: The objective challenges of representing climate change.*
11:20 Lakhvir Kaur Dhaliwal*, PAU, Ludhiana (Punjab), India; Dr.Lakhvir Kaur Dhaliwal, Main author, Associate Professor, Agrometeorology, *Climate Literacy in context to Indian Agriculture.*
- 4233. Evolutionary Geographies of Regions, Industries, and Institutions: Part 2 (Sponsored by Economic Geography Specialty Group, Business Geography Specialty Group)**
Room: 310 - Washington State Convention Center, Level 3
(Paper Session)
ORGANIZER(S): Murray Rice, University of North Texas; Ronald V. Kalafsky, University of Tennessee
CHAIR(S): Murray Rice, University of North Texas
10:00 Yangmi Koo*, Department of Geography, Seoul National University; Sam Ock Park, Seoul National University, *Evolution of Newly Emerging Industries for the Elderly in Korea.*
10:20 Linda McCarthy*, University of Wisconsin-Milwaukee, *Rustbelt Brownfields and Public-Sector Support for Redevelopment: Insights and Suggestions from Developers in Milwaukee, Wisconsin.*
10:40 Michael Seman*, University of Texas at Arlington, *How a music scene functioned as a tool for urban redevelopment: A case study of Omaha's Slowdown project.*
11:00 Danny MacKinnon*, University of Glasgow; Andrew Cumbers, Dr, University of Glasgow; Andy Pike, Professor, Newcastle University, *Regional Adaptation, Uneven Development and the Recession: the UK Experience.*

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- 4234. Water and Climate Change in Mountain Regions 2 (Sponsored by Cryosphere Specialty Group, Biogeography Specialty Group, Mountain Geography Specialty Group)**
Room: 3A - Washington State Convention Center, Level 3
(Paper Session)
ORGANIZER(S): Bryan G. Mark, The Ohio State University; Jeffrey Bury, University of California, Santa Cruz
CHAIR(S): Jeffrey Bury, University of California, Santa Cruz
10:00 Graham McDowell*, McGill University, *The Human Dimensions of Climate Change in the Khumbu Region of Nepal: Implications of Hydrological Modification.*
10:20 Prajwal Panday*, Clark University; Karen E Frey, PhD, Clark University; Christopher A Williams, PhD, Clark University; Molly E Brown, PhD, Biospheric Sciences Branch, NASA Goddard Space Flight Center, *Implications of climate change for snowmelt hydrology in the Tamor and Marsyangdi River Basins in the Nepalese Himalaya.*
10:40 Kyung In Huh*, The Ohio State University; Bryan G Mark, The Ohio State University, *Changes of topographic context of glaciers in the tropical Peruvian Andes: some case studies over Cordillera Blanca.*
11:00 Dorothy K. Hall*, NASA Goddard Space Flight Center; James L. Foster, NASA / Goddard Space Flight Center; Nicolo E. DiGirolamo, SSAI & NASA / GSFC; Jonathan S. Barton, UMBC - GEST; George A. Riggs, SSAI & NASA / GSFC, *Changing Snow Cover and Stream Discharge in the Western United States - Wind River Range, Wyoming.*
11:20 Eric A Sproles*, Oregon State University; Anne W Nolin, Oregon State University, *Characterizing mountain watersheds using a snow-to-rain ratio.*
- 4235. The Carbon Economy Revisited: Exploring political economy, governance and development in the Carbon Market (II - REDD+) (Sponsored by Cultural and Political Ecology Specialty Group)**
Room: 3B - Washington State Convention Center, Level 3
(Paper Session)
ORGANIZER(S): Adam Bumpus, ISIS: Sauder School of Business, University of British Columbia; Tracey Osborne, University of Arizona
CHAIR(S): Tracey Osborne, University of Arizona
10:00 Caleb T. Gallemore, MA*, Ohio State University, *Networks and the Construction of an Asset: The Case of Avoided Deforestation Offsets.*
10:18 Betsy A Beymer-Farris*, University of Illinois, Urbana-Champaign; Thomas J. Bassett, PhD, University of Illinois at Urbana-Champaign, *The REDD Menace: Resurgent protectionism and environmental justice in Tanzania's mangrove forests.*
10:36 Elizabeth N. Shapiro*, Duke University, *Grounding the Carbon Economy: Contesting Reduced Emissions from Deforestation and Degradation Policies.*
Discussant(s): Arun Agrawal, University of Michigan
- 4236. Animal Geographies: Emerging Perspectives (Sponsored by Qualitative Research Specialty Group, Animal Geography Specialty Group)**
Room: 201 - Washington State Convention Center, Level 2
(Paper Session)
ORGANIZER(S): Sharon Wilcox Adams, University of Texas Austin
CHAIR(S): Sharon Wilcox Adams, University of Texas Austin
Panelists: Sharon Wilcox Adams, University of Texas Austin; Alice J. Hovorka, University Of Guelph; Mona Nicole Seymour; Gabrielle Collins, UNL; Stella Capoccia, Rutgers University
- 4237. Geographical dimensions of regional climate change II (Sponsored by Climate Specialty Group)**
Room: 202 - Washington State Convention Center, Level 2
(Paper Session)
ORGANIZER(S): Sara Rauscher, Los Alamos National Lab; Nellie Elguindi
CHAIR(S): Anji Seth, University of Connecticut
10:00 Linda O. Mearns*, National Center for Atmos. Research, *The North American Regional Climate Change Assessment Program: Overview of Climate Change Results.*
10:20 Nellie Elguindi*, International Centre for Theoretical Physics; Sara Rauscher, Los Alamos National Lab, *Changes in Temperature Records over Europe.*
10:40 Azar Zarrin*, Center for Climatic Research, University of Wisconsin-Madison; Michael Notaro, Center for Climatic Research, University of Wisconsin-Madison; Steve Vavrus, Center for Climatic Research, University of Wisconsin-Madison; Katie Holman, Center for Climatic Research, University of Wisconsin-Madison, *Evaluation of Regional Climate Model (RegCM4) in simulation of heavy lake effect snowfall in the Great Lakes region.*
Discussant(s): Anji Seth, University of Connecticut
- 4238. Tourism Theory and Practice (Sponsored by Recreation, Tourism, and Sport Specialty Group)**
Room: 203 - Washington State Convention Center, Level 2
(Paper Session)
ORGANIZER(S): Alan A. Lew, Northern Arizona University
CHAIR(S): Alan A. Lew, Northern Arizona University
Panelists: Alan A. Lew, Northern Arizona University; David Weaver, Griffith University, Australia; Xiaobo Su, University of Oregon; Theano S. Terkenli, University of the Aegean; Rudi Hartmann, University of Colorado; Friedrich M. Zimmermann, University of Graz; Susanne Janschitz, University of Graz; Daniel C. Knudsen, Indiana University; Dallen J. Timothy, Arizona State University
- 4239. Technologies of Mobility: Methods and Meanings II (Sponsored by Russian, Central Eurasian, and East European Specialty Group, Urban Geography Specialty Group, Communication Geography Specialty Group)**
Room: 204 - Washington State Convention Center, Level 2
(Paper Session)
ORGANIZER(S): Matthew Zook, University of Kentucky; Rein Ahas, Department of Geography, University of Tartu
CHAIR(S): Matthew Zook, University of Kentucky
10:00 Matthew W. Wilson*, Ball State University, *Location-based services, conspicuous mobility, and the location-aware future.*
10:20 Rein Ahas*, Department of Geography, University of Tartu, *Mobile positioning data for location-based advertising and place marketing.*
10:40 Andrew Boulton*, University of Kentucky, *Landscape and the place of locative media.*
11:00 Siiri Silm*, University of Tartu; Rein Ahas, University of Tartu, *Copresence as measure of ethnic segregation.*
11:20 Kerli Müürisepp*, University of Tartu, *Mobile Positioning - A Medium for Studying Three-Dimensional Segregation.*

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- 4240. Payments for Ecosystem Services, Poverty Reduction, and Carbon Markets: incorporating the others' ecosystem? II (Sponsored by Cultural and Political Ecology Specialty Group, Human Dimensions of Global Change Specialty Group)**
Room: 205 - Washington State Convention Center, Level 2
(Paper Session)
ORGANIZER(S): Gregory Simon, University of Colorado Denver; Trevor Birkenholtz, Rutgers University
CHAIR(S): Trevor Birkenholtz, Rutgers University
10:00 Gregory Simon*, University of Colorado Denver, *Carbon, technology, and win-win outcomes at the climate/development interface.*
10:15 Shaunna Barnhart*, Penn State University, *From Household Decisions to Global Networks: Biogas and the Allure of Carbon Trading.*
10:30 Leah L Bremer*, San Diego State University, University of California, Santa Barbara; Kathleen A Farley, PhD, San Diego State University; David Lopez-Carr, PhD, University of California, Santa Barbara; Carol P Harden, PhD, University of Tennessee; José Parcemon Romero Motoche, Nature and Culture International, *Examining the influence of national-scale PES program on local land use and livelihoods in Andean highland grasslands (páramos) in Ecuador.*
10:45 Bryan R. Bushley*, University of Hawai'i Manoa, *REDD Plus or REDD Minus: Opportunity or Challenge for Decentralized Forest Governance in Nepal?.*
11:00 Mamta Vardhan*, Michigan State University, *Participatory forest management in Tanzania: Lessons for REDD.*
Discussant(s): Kathleen McAfee, San Francisco State University
- 4241. Everything old is new again: Neoliberalism and neocolonialism in development aid and investment (Sponsored by Cultural and Political Ecology Specialty Group, Socialist and Critical Geography Specialty Group, Development Geographies Specialty Group)**
Room: 206 - Washington State Convention Center, Level 2
(Paper Session)
ORGANIZER(S): Jamey Essex, University of Windsor
CHAIR(S): Edward R Carr, University of South Carolina
10:00 Lucy Jarosz*, University of Washington, *Representing Foreign Investment and Dispossession: Meta-narratives about hunger, poverty and development in Africa.*
10:20 Joshua Muldavin*, Sarah Lawrence College, *Land from the Tiller: China's role in global processes of land dispossession.*
10:40 Emma Mawdsley, Dr*, Cambridge University, *Public perceptions of development cooperation within 're-emerging donors': research from China, India, Poland, Russia and South Africa.*
11:00 Susan M. Roberts*, University Of Kentucky, *Foreign assistance for development: USAID and the world of development contractors.*
11:20 Jamey Essex*, University of Windsor, *Feeding the future? Aid effectiveness after the global food crisis.*
- 4242. Exploring the Colonial Present: Contemporary Research on Palestine (II) (Sponsored by Socialist and Critical Geography Specialty Group)**
Room: 211 - Washington State Convention Center, Level 2
(Paper Session)
ORGANIZER(S): Omar Jabary Salamanca; Lisa Bhungalia, Syracuse University
CHAIR(S): Christopher Harker, Durham University
10:00 Kareem Rabie*, CUNY Graduate Center, *"Palestine is holding a party and the whole world is invited.": Housing Development, Privatization, and State-building in the West Bank.*
- 10:20** Omar Jabary Salamanca*, Ghent University, *Geographies of infrastructural violence. Insights from Palestine.*
10:40 Robert R Sauters, Ph.D.*, Eastern Washington University, *Rejecting Colonialism One Tag at a Time: International Grassroots Activism as Expressed in the Graffiti on the Israeli Separation Barrier.*
11:00 Natalie K. Jensen*, University of South Carolina, *Micro-migrations of Palestinian women to Ramallah.*
11:20 Nathan W Swanson*, University of North Carolina-Chapel Hill, *Dissonance and Dispossession in Palestine: International Law and the Space of Home.*
- 4243. Geographies of multicultural people (Sponsored by Qualitative Research Specialty Group, Geographic Perspectives on Women Specialty Group, Cultural Geography Specialty Group)**
Room: 212 - Washington State Convention Center, Level 2
(Paper Session)
ORGANIZER(S): Kari Jensen, Hofstra University
CHAIR(S): Kari Jensen, Hofstra University
10:00 Caitlin Henry*, University of Toronto, *The Multiple Meanings of the Transnational Home.*
10:20 Rini Sumartojo*, Simon Fraser University, *Discourses of multiculturalism among second generation Indo-Canadian youth.*
10:40 Kari Jensen*, Hofstra University, *"There are limits" - young women on growing up multicultural".*
Discussant(s): Tracey Skelton, National University of Singapore
- 4244. Frontiers in Weathering Geomorphology II (Sponsored by Paleoenvironmental Change Specialty Group, Geomorphology Specialty Group, Water Resources Specialty Group)**
Room: 213 - Washington State Convention Center, Level 2
(Paper Session)
ORGANIZER(S): Gregory A. Pope, Montclair State University
CHAIR(S): Gregory A. Pope, Montclair State University
10:00 John Dixon*, University of Arkansas, *Spatial scale and chemical weathering in Karkevagge, Swedish Lapland.*
10:20 Kevin Hall, Dr*, University Of Northern British Columbia, *Weathering - A poor term, poorly applied, and completely misleading..*
10:40 Gregory A. Pope, Ph.D.*, Montclair State University; Samuel P. Pobanz, Montclair State University, *Weathering Geomorphology's Black Box: Integrating Region-Scale Factors into Weathering Models with GIS.*
Discussant(s): Gregory A. Pope, Montclair State University
- 4245. Sexualities, Health, Politics, Place (Part 2 of 2) (Sponsored by Health and Medical Geography Specialty Group, Sexuality and Space Specialty Group)**
Room: 214 - Washington State Convention Center, Level 2
(Paper Session)
ORGANIZER(S): John Paul Catungal, University of Toronto; Michael P. Brown, University of Washington
CHAIR(S): Michael P. Brown, University of Washington
10:00 Matthew Sothorn*, University of St. Andrews; Michael Kesby, University of St. Andrews, *Unwanted Gifts: risk, sex, and trust in the deferral of MSM blood donation.*
10:20 Nathaniel Lewis*, Queen's University, *Embodied Emigration: Health Experiences and Migration Decisions among Gay Men in Two Capital Cities.*
10:40 Moriah McSharry McGrath, MPH, MSUP*, Portland State University, *In and out of the club: neighborhood conditions and occupational health for Portland, Oregon exotic dancers.*
11:00 Meredith Raimondo*, Oberlin College, *Epidemics Near Me? Citizen Geographers confront Promiscuous Publics in the H1N1 Flu Pandemic.*

FRIDAY, APRIL 15 • 10:00 AM - 11:40 AM • 4200**4246. Taking matters into third hands: intermediaries and the organization of the creative economy. I. Conceptualizing intermediaries in the creative economy (Sponsored by Urban Geography Specialty Group, Cultural Geography Specialty Group, Economic Geography Specialty Group)**

Room: 2A - Washington State Convention Center, Level 2
(Paper Session)

ORGANIZER(S): Doreen Jakob, UNC Chapel Hill / Center for Metropolitan Studies Berlin; Bas Van Heur, Maastricht University

CHAIR(S): Bas Van Heur, Maastricht University

10:00 Pacey C Foster*, University of Massachusetts Boston; Richard Ocejo, John Jay College, CUNY, *Gatekeepers, tastemakers and co-producers: Understanding the changing role of cultural intermediaries in the new creative economy.*

10:20 Calvin Taylor, Professor*, University of Leeds, *Between Culture, Policy and Industry: The Ambiguities of Intermediation in the Creative Economy.*

10:40 Chris Gibson*, University of Wollongong, *Academics as expert intermediaries in the creative economy: negotiating knowledges and positions of authority.*

11:00 Rebecca Gordon-Nesbitt*, University of Strathclyde, *Methods for Researching Intermediaries.*

4247. Medical and Health

Room: 2B - Washington State Convention Center, Level 2
(Illustrated Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Dylan Malcomb, Dept Geography UT Austin

10:00 Kristina Cimaroli*, McMaster University; Antonio Páez, PhD, McMaster University; K. Bruce Newbold, PhD, McMaster University, *The Effect of Clinic Accessibility on Frequency of Blood Donation.*

10:10 Lauren Brinkley-Rubinstein, MA*, Vanderbilt University; Jeselyn Rhodes, MS, Metro Public Health Department of Davidson County, *Examining Spatial Distribution of Incidence Rates of Sexually Transmitted Infections (STI) and Socio-economic measures.*

10:20 Warangkana Ruckthongsook*, University of North Texas, *Race/Ethnicity, Housing Characteristics, and Tuberculosis Prevalence in Tarrant County, Texas.*

10:30 Jennifer Winston*, University of North Carolina, *The Spatial Distribution of HIV and Behavioral and Environmental Factors in Liberia.*

10:40 Marjorie McConnell, PhD*, University of New Mexico, *Geo-epidemiology workshop: A case for interdisciplinary collaborations.*

10:50 Chenxiao Ling*, MSU Geography, *Constructing Optimal Facility Service Areas (FSAs) for Health Service Research.*

11:00 Rasaq Qadirie, MSc, The Afghan Seeds; Lisa Kadonaga, PhD*, University of Victoria, *Seeds of Hope - A Community Biodiversity Bank for Afghanistan.*

11:10 Dylan W. Malcomb*, Dept Geography UT Austin, *Advancements In African Development Aid Transparency.*

4248. The Built Environment and Civic Engagement in the Global South

Room: Cirrus Ballroom - Sheraton Hotel, Pike Tower, Thirty Fifth Floor
(Paper Session)

ORGANIZER(S): Amrita G. Danieri, University of Toronto

CHAIR(S): Amrita G. Danieri, University of Toronto

10:00 Laura Russ*, University of Illinois, Urbana-Champaign, *Geographies of Organizational Viability: A case study of civil society organizations in Ahmedabad, India.*

10:20 Amrita G. Danieri*, University of Toronto; Lois M. Takahashi*, UCLA, *The Spatial Logics of Social Capital: Spaces of Interaction in Southeast Asia.*

10:40 Luisa Sotomayor*, University of Toronto, *'Stitching up' the City: A Study of Planning and Participation in Medellín, Colombia.*

11:00 Priyam Das*, University of Hawaii, *The built environment and household propensity for collective action.*

Discussant(s): Andre Sorensen, University of Toronto

4250. The Built Environment and Health (Sponsored by Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group, Health and Medical Geography Specialty Group)

Room: Boren - Sheraton Hotel, Union Tower, Fourth Floor
(Paper Session)

ORGANIZER(S): Imam Xierali, Robert Graham Center

CHAIR(S): Imam Xierali, Robert Graham Center

10:00 Kathleen Wolf, Ph.D.*, University of Washington, *Green Infrastructure and Positive Public Health: Developing the Geospatial Linkages.*

10:20 Akihiko Michimi, Ph.D.*, South Dakota State University; Michael C Wimberly, Ph.D., South Dakota State University, *Associations of Outdoor Amenities with Physical Activity and Obesity in Nonmetropolitan Areas of the United States.*

10:40 Xingyou Zhang*, CDC; Hua Lu, CDC; James B. Holt, CDC, *Modeling Neighborhood Park Spatial Accessibility in United States.*

11:00 Philip M Hurvitz*, University of Washington, Urban Design & Planning; Junfeng Jiao, University of Washington; Jared Ulmer, University of Washington; Bumjoon Kang, University of Washington; Ruizhu Huang, University of Washington; Anne V Moudon, Dr. es Sc., University of Washington, *Space, Time, and Movement: Integrating High-Resolution GPS, GIS, and Accelerometry for Estimating Built Environment Exposure.*

4251. Rights, Space and Places II (Sponsored by Political Geography Specialty Group, Urban Geography Specialty Group)

Room: Columbia - Sheraton Hotel, Union Tower, Fourth Floor
(Paper Session)

ORGANIZER(S): James DeFilippis, Rutgers University; David Imbroscio, University of Louisville

CHAIR(S): David Imbroscio, University of Louisville

10:00 Gordon C C Douglas*, University of Chicago, *Do-It-Yourself Urban Design: Reimagining the Built Environment through Place-Based, Site-Specific Art and Activism.*

10:20 Fernando J. Bosco*, San Diego State University, *Positioning the right to remember in place in contemporary Buenos Aires as a human right.*

10:40 Jan Nijman*, University of Miami, *Identity, Mobility, and the Right to the City: Geographies of Miami.*

11:00 Mike Bulthuis*, University of Ottawa, *The imagined and lived rights of young people to urban space and places.*

11:20 Nicholas Dahmann, University of Southern California; Donald C. Dahmann*, *Enacting Spatial Rights? Performing civil and human rights in Los Angeles.*

4252. Navigating the Geographies of Food II (Sponsored by Political Geography Specialty Group, Cultural and Political Ecology Specialty Group, Rural Geography Specialty Group)

Room: Jefferson - Sheraton Hotel, Union Tower, Fourth Floor
(Paper Session)

ORGANIZER(S): Kathryn Morrison, University of Victoria; Gina K. Thornburg, Kansas State University

CHAIR(S): Garrett Graddy, University of Kentucky

10:00 Adam Pine*, University of Minnesota -- Duluth, *Food Scarcity and Creating Community: Prospects for Empowerment in Alternative Food Spaces.*

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- 10:20** Adrian Gould, MSc*, INRS-UCS (University of Quebec); Philippe Apparicio, PhD, INRS-UCS (University of Quebec); Marie-Soleil Cloutier, PhD, INRS-UCS (University of Quebec), *The Geography of Food Access in Gatineau, Quebec: Identifying Areas Where Food Insecurity is Exacerbated by Poor Access to Stores Selling Nutritious Foods.*
- 10:40** William Hall*, Florida International University - Global and Sociocultural Studies Department; William Hall, Florida International University - Global and Sociocultural Studies Department, *Sustainable Agricultural Initiatives in Urban Communities: Reconfiguring Miami's Foodshed.*
- 11:00** Jessica Childs, Student Researcher, University of Maryland, Baltimore County; Laurajean Rehmke Lewis, Assistant Professor of Biogeography*, University of Maryland, Baltimore County, *Food Deserts and their Presence in a Southwest Community of Baltimore City.*
- 11:20** Gina K. Thornburg*, Kansas State University, *Power and Knowledge in the Farm-to-School Movement.*
- 4254. Cities and Urban Regions in Latin America and the Caribbean (Sponsored by Latin America Specialty Group, Qualitative Research Specialty Group)**
Room: Pike - Sheraton Hotel, Union Tower, Fourth Floor (Paper Session)
 ORGANIZER(S): Betty Elaine Smith, Eastern Illinois University; Joel Outtes, UFRGS-Univ Fed Rio Gde Do Sul
 CHAIR(S): Betty Elaine Smith, Eastern Illinois University
10:00 Betty Elaine Smith, PhD*, Eastern Illinois University, *Population and Urbanization in Latin America and the Caribbean.*
- 10:20** Dena Aufseeser*, University of Washington, *Unwanted and unwelcome: Street children's responses to urban revitalization in Lima, Peru.*
- 10:40** Thomas Sigler*, Penn State University, *Neoliberal development in a neocolonial context: An overview of special economic zones in Panama.*
- 11:00** Elizabeth L Sweet*, Temple University; Sedy E Guerrier, Temple University, *The Shaping of Immigrant Communities: Representations of Racialized Haitians and Mexicans through the Lens of Crisis and Resistance.*
 Discussant(s): Alejandro Rodriguez, Urban Geography
- 4256. Urban**
Room: Seneca - Sheraton Hotel, Union Tower, Fourth Floor (Interactive Short Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): John Carroll, California State University - Fullerton
10:00 Emily Sanschagrín*, University of Denver; Eric Boschmann, University of Denver, *Using sketch maps in urban research.*
- 10:05** I-Chun C Chang*, Geography, University of Minnesota, *Chinese Green Capitalism and Urban Sustainability: The Case of Shanghai's Dongtan Eco-City.*
- 10:10** Amanda M. Davis*, University of Maryland, Baltimore County, *Recreating Injustice: Spatial Fragmentation and Social Segregation in the Baltimore Metro Area.*
- 10:15** Yvonne Franz, PhD-Candidate*, University of Vienna - Department of Geography and Regional Research, *Gentrification Here and There - Status Report On Current Gentrification Discourses In Europe And The United States (With Special Regard To Vienna, Berlin And New York City).*
- 10:20** Benjamin Otto*, Humboldt-Universität zu Berlin, Department of Geography, Economic Geography, *Temporary uses as part of a paradigm shift from "the permanent" to "the temporary"?*
- 10:25** Aditi Ranjan*, PhD Candidate, Department of Geography, Magadh University, Bodh Gaya, India; Pankaj Lal, PhD Candidate, 374 Newins Zeigler Hall, University of Florida, Gainesville, FL 32611; Andres Susaeta, Postdoctoral Associate, 305 Cheatham Hall, Virginia Tech University, Blacksburg, VA 24061, *Delhi Metro Rail Travel Behavior Analysis: Impact of Individual and Trip Characteristics.*
- 10:30** Eric Boschmann*, University of Denver, *Local level job proximity: A multi- U.S. city analysis of working poor employment access.*
- 10:35** Loderay I.M. Bracero Marrero*, *Loiza Street; A representative mosaic of urban Puerto Rico.*
- 10:40** John Carroll*, California State University - Fullerton, *Developing a Campus Bicycle Policy.*
- 10:45** Zachary Hicks*, The University of Akron, *3D Visualizations and Urban Planning Scenarios.*
- 4258. GORABS Annual Lecture - 'Encountering the Divine in W5 and Highway 99: stories of the suburban sacred' by Claire Dwyer (Sponsored by Geography of Religions and Belief Systems Specialty Group)**
Room: University - Sheraton Hotel, Union Tower, Fourth Floor (Panel Session)
 ORGANIZER(S): Peter E Hopkins, Newcastle University, UK; Elizabeth A. Olson, University of Edinburgh
 CHAIR(S): Elizabeth A. Olson, University of Edinburgh
 Introducer: Elizabeth A. Olson
 Panelists: Claire Dwyer, University College, London
- 4259. If You Build It, They Will Come: Transportation and Economic Development (Sponsored by Transportation Geography Specialty Group)**
Room: Virginia - Sheraton Hotel, Union Tower, Fourth Floor (Paper Session)
 ORGANIZER(S): Julie Cidell, University of Illinois
 CHAIR(S): Dick Winchell, Eastern Washington University
10:00 Stephen Buckman*, Arizona State University, *Canal Oriented Development as a urban development proposal in the polycentric city.*
- 10:20** Dick G. Winchell*, Eastern Washington University, *An Analysis of American Indian Economic Development and Transportation in the Inland Northwest..*
- 10:40** TAO LIN*, Shanghai Normal University; Xiuting Cao, Shanghai Normal University, *A comparative study on the development of towns or townships along the freeway routes: A case study of towns or townships in the west part of Shanghai S20 freeway network.*
- 11:00** Kunimasa Nishigaya*, Retired, *Key Success Factors in Vietnam High Speed Railway Project.*
- 4261. China: Regional Planning and Development (Sponsored by China Specialty Group)**
Room: Ballard - Sheraton Hotel, Pike Tower, Third Floor (Paper Session)
 ORGANIZER(S): Piper Gaubatz, University Of Massachusetts
 CHAIR(S): Yasuyuki Motoyama
10:00 Yasuyuki Motoyama*, UC Santa Barbara; Indy Hurt, UC Santa Barbara; Richard Appelbaum, UC Santa Barbara, *Observing Regional Divergence of Chinese Nanotechnology Centers.*
- 10:20** Guangzhong Cao*, Peking University; Tao Liu, Peking University, *New trends in China's urbanization: the rising role of inland in the new century and its explanation.*
- 10:40** Jie Fan*, Institute of Geographical Sciences and Natural Resources Research, CAS, *Major Function Oriented Zoning and Corresponding Institutional Arrangements for the Regional Sustainable Development Pattern in China.*

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- 4264. The Politics of Uncertainty and Risk: Collaborative visioning for large-scale nuclear plant remediation**
Room: *Fremont - Sheraton Hotel, Union Tower, Third Floor*
(Paper Session)
ORGANIZER(S): Benjamin Louis Blandford, University of Kentucky
CHAIR(S): Benjamin Louis Blandford, University of Kentucky
10:00 Theodore Grossardt*, University of Kentucky, *Configuring the Future of an Atomic Landscape: Vision / Nightmare.*
10:20 Benjamin Louis Blandford*, University of Kentucky, *Future Visioning Strategies for Nuclear Site Remediation in Paducah, KY.*
10:40 John Ripy*, University of Kentucky, *The Great Unwashed: Gathering Meaningful Input in a Public Involvement Process.*
11:00 Keiron Bailey*, University of Arizona, *Q, I, C and E Performance Measurements for Public Involvement Processes: Paducah Gaseous Diffusion Plant end-state collaborative visioning.*
- 4265. China Population II: Population, Migration, and Social Change (Sponsored by China Specialty Group)**
Room: *Greenwood - Sheraton Hotel, Union Tower, Third Floor*
(Paper Session)
ORGANIZER(S): Piper Gaubatz, University Of Massachusetts
CHAIR(S): Wei Xu, University of Lethbridge
10:00 Wei Xu*, University of Lethbridge; Yu Zhu, Professor, Fujian Normal University; Liyue Lin, Fujian Normal University, *Barely holding up half of the sky: Socialist market transformation, migration and local labor market outcomes.*
10:20 Huimin Du*, Hong Kong Baptist University, *Is It Really a Rational Choice?: The Contribution of Emotional Attachment to Temporary Migrants' Intention to Stay in the Host City in China.*
10:40 Lei Xu, Dr.*, California State University, Fullerton, *Fertility Preferences of the Post-80s in Urban China.*
11:00 Jia Feng*, Michigan State University; Guo Chen, Michigan State University, *Integration or Segregation? New Development of Place-based Migrant Settlements in Beijing.*
- 4266. Reframing Islandness II: Lived Experiences, Critical and Discursive Cartographies in Island Worlds (Sponsored by Political Geography Specialty Group, Socialist and Critical Geography Specialty Group, Cultural Geography Specialty Group)**
Room: *Issaquah A - Sheraton Hotel, Union Tower, Third Floor*
(Paper Session)
ORGANIZER(S): Joseph Palis, North Carolina State University; Arnd Holdschlag, Institute of Geography, University of Hamburg
CHAIR(S): Elaine Stratford, University of Tasmania
10:00 Haruna Suzuki*, University of North Carolina Chapel Hill, *La Cara de San Cristóbal: Discourses on Sea Lion Conservation in the Galápagos Islands.*
10:20 Arnd Holdschlag*, Institute of Geography, University of Hamburg, *Environmental stressors and knowledge systems in The Bahamas.*
10:40 Chris Castagna*, Sonoma State University, *The Culture of Forests: Selected Indigenous Perspectives on Plantation Forestry in Aotearoa/New Zealand.*
11:00 Lisa Marshall*, UNC - Chapel Hill/NC State University, *Caribbean-Canadian-ness: a geography of journeys.*
Discussant(s): Amy L McCleary, University of North Carolina at Chapel Hill
- 4267. Conservation, indigenous groups and population displacement (Sponsored by Human Dimensions of Global Change Specialty Group)**
Room: *Issaquah B - Sheraton Hotel, Union Tower, Third Floor*
(Paper Session)
ORGANIZER(S): Poonam Jusrut, University of Illinois At Urbana
CHAIR(S): Poonam Jusrut, University of Illinois At Urbana
10:00 Elizabeth Lunstrum*, York University, *Transfrontier Conservation, Labour Migration, and the Transformation of the Mozambican - South African Border.*
10:20 Kelly Ann Renwick*, Appalachian State University, *Indigenous Conservation: An Alternative to the Displacement of Forest Dwelling Indigenous and Tribal Populations?.*
10:40 Laura Zanotti*, Purdue University, *The Social Life of Partnerships: Reconsidering Resilience and Community-Conservation efforts with Amazonian Indigenous Groups.*
11:00 Catrina MacKenzie, PhD Candidate*, McGill University, Department of Geography, *Spatial Inequity of Conservation Benefits and Losses around Kibale National Park, Uganda.*
- 4268. Urban agriculture, farmers' markets, and community gardens (Sponsored by Urban Geography Specialty Group)**
Room: *Kirkland - Sheraton Hotel, Union Tower, Third Floor*
(Paper Session)
ORGANIZER(S): Julie Cidell, University of Illinois
CHAIR(S): Michele L Flippo Bolduc, University of Kentucky
10:00 Catarina Passidomo*, University of Georgia, *Urban political ecology and the framing of food sovereignty discourses.*
10:20 John R. Taylor, MLA, PhD student*, University of Illinois at Urbana-Champaign; Sarah Taylor Lovell, MLA, PhD, Assistant Professor, University of Illinois at Urbana-Champaign, *Discourse and Practice: A Political Ecology of Urban Agriculture in Chicago.*
10:40 Christopher B Langer*, University of Toronto, *The Organization of Community Gardens Spaces in Toronto, Ontario.*
11:00 Michele L Flippo Bolduc*, University of Kentucky, *Can Community Gardens Help to Radically Shape the Food System?.*
11:20 Taro Futamura*, Doshisha University, *Emergence of Urban Farmers' Markets in Japanese Cities: Its Politics and Critical Challenges.*
- 4269. Rapid Response: Creating and Visualizing Map Symbology for Use in Emergency Management**
Room: *Leschi - Sheraton Hotel, Union Tower, Third Floor*
(Paper Session)
ORGANIZER(S): Program Committee
CHAIR(S): Scott Pezanowski, The Pennsylvania State University
10:00 Raechel A. Bianchetti*, Pennsylvania State University; Justine Blanford, Pennsylvania State University; Anthony Robinson, Pennsylvania State University; Alan MacEachren, Pennsylvania State University, *Critical Evaluation of International Emergency Management Symbology.*
10:20 Seneca D Holland, Texas A&M University - Corpus Christi; Richard A Smith*, Texas A&M University - Corpus Christi, *Ad-hoc Standardization of Symbols in Mapping Disaster Situations using Distributed Cartographic Knowledge Bases.*
10:40 Anderson Grant Brooms*, City of Montgomery, Alabama, *Creating a Time Based Street Network for Emergency Responders.*

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- 11:00** Scott Pezanowski*, Pennsylvania State University; Anthony C Robinson, Pennsylvania State University; Elaine Guidero, Pennsylvania State University; Raechel Bianchetti, Pennsylvania State University; Frank Hardisty, Pennsylvania State University; Justine Blanford, Pennsylvania State University; Robert E Roth, Pennsylvania State University; Alan M MacEachren, Pennsylvania State University, *An Interactive, Web-Based Tool for Discovering and Sharing Map Symbols.*
- 4271. Regional Studies Annual Lecture: Amy Glasmeier: Flight to Urbanization: the resettlement of the world's population, hyperforms of industrial-urbanization, and the fight for the world's resources.**
Room: Metropolitan Ballroom A - Sheraton Hotel, Third Floor
 (Paper Session)
 ORGANIZER(S): Arnoud Legendijk
 CHAIR(S): Arnoud Legendijk
 Introducer: Amy Glasmeier
 Discussant(s): Anthony Yeh
- 4272. The Gender Place and Culture Jan Monk Distinguished Lecture**
Room: Metropolitan Ballroom B - Sheraton Hotel, Third Floor
 (Paper Session)
 ORGANIZER(S): Sarah Moore, University of Arizona
 CHAIR(S): Sarah Moore, University of Arizona
10:00 Banu Gokariksel, Dr.*, University of North Carolina, Chapel Hill, *Politics of secularism, piety, and the headscarf.*
- 4273. Computational Geography (Sponsored by Cyberinfrastructure Specialty Group)**
Room: Queen Anne - Sheraton Hotel, Union Tower, Third Floor
 (Paper Session)
 ORGANIZER(S): Qunying Huang, MS; Eric Shook, University of Illinois at Urbana-Champaign
 CHAIR(S): Qingfeng Guan, University of Nebraska - Lincoln
10:00 Qingfeng Guan*, University of Nebraska - Lincoln; Phaedon C. Kyriakidis, University of California, Santa Barbara; Michael F. Goodchild, University of California, Santa Barbara, *Speeding up geostatistical areal interpolation using parallel computing technology.*
10:20 Eric Shook*, University of Illinois at Urbana-Champaign; Shaowen Wang, University of Illinois at Urbana-Champaign, *A Parallel Input-Output Strategy for Resolving Data Challenges in Large-Scale Agent-Based Models.*
10:40 Yanli Zhao*, University of Illinois at Urbana-Champaign; Anand Padmanabhan, University of Illinois at Urbana-Champaign; Shaowen Wang, University of Illinois at Urbana-Champaign, *A GPGPU-Based Parallel Algorithm for Viewshed Analysis.*
11:00 Danhuai Guo*, Computer Network Information Center, Chinese Academy of Sciences; Shaowen Wang, University of Illinois at Urbana-Champaign, USA; Kaichao Wu, Computer Network Information Center, Chinese Academy of Sciences; Jianhui Li, Computer Network Information Center, Chinese Academy of Sciences; Yuwei Wang, Graduate University of the Chinese Academy of Sciences, *Assessing Spatial Scene Similarity for Spatial Search - A Data-Driven Parallel Computing Approach.*
- 4274. The Experiences of Immigrants and Refugees in Urban Areas in the U.S. (Sponsored by Population Specialty Group, Urban Geography Specialty Group, Ethnic Geography Specialty Group)**
Room: Ravenna - Sheraton Hotel, Union Tower, Third Floor
 (Paper Session)
 ORGANIZER(S): Carlos Teixeira, University of British Columbia Okanagan; Wei Li, Arizona State University
 CHAIR(S): Monika Stodolska, University of Illinois at Urbana-Champaign
10:00 Yang Yang*, Humboldt State University, *The Hidden Island Of Strangers From Another Shore: Historical Chinatown in Eureka.*
10:18 Will Poppe*, York University, *Reconstruction of lives, residential behavior and agency among refugees in Buffalo.*
10:36 Monika Stodolska*, University of Illinois at Urbana-Champaign; Kimberly J Shinew, University of Illinois at Urbana-Champaign; Juan C Acevedo, University of Illinois at Urbana-Champaign, *Fear of Crime and Leisure Experiences of Adolescent Latino Residents of Urban Communities.*
10:54 Wei Li*, Arizona State University; Lucia Lo, York University, *Immigrant Entrepreneurs and Banking Service in Canada and the US.*
- 4275. Migration and Education (Sponsored by Political Geography Specialty Group)**
Room: Wallingford - Sheraton Hotel, Union Tower, Third Floor
 (Paper Session)
 ORGANIZER(S): Elizabeth Mavroudi, Loughborough University; Heike Joens, Loughborough University
 CHAIR(S): Heike Joens, Loughborough University
10:00 May Farrales, MA student*, Geography, University of British Columbia, *Interrogating an Anomaly: Filipino Youth and Geographies of Education.*
10:20 Hannah Louise Deakin*, Loughborough University, *Erasmus student work placement mobility: A UK perspective.*
10:40 Kelly Wakefield*, Loughborough University, *Transnational higher education networks of learning and teaching - some preliminary findings.*
11:00 Elizabeth Mavroudi*, Loughborough University; Adam Warren, Loughborough University, *The impact of recent changes in UK immigration policy on higher education: experiences of those 'on the ground'.*
 Discussant(s): Johanna L. Waters, University Of Liverpool
- 4276. Cognition, Behavior, and Representation I (Sponsored by Geographic Information Science and Systems Specialty Group, Environmental Perception and Behavioral Geography Specialty Group, Cartography Specialty Group)**
Room: Aspen Room - Sheraton Hotel, Second Floor
 (Paper Session)
 ORGANIZER(S): Sarah Battersby, University of South Carolina
 CHAIR(S): Sarah Battersby, University of South Carolina
10:00 Sen Xu*, Department of Geography, The Pennsylvania State University, PA, U.S.A.; Alexander Klippel, Department of Geography, The Pennsylvania State University, PA, U.S.A., *Suggesting Salient Landmarks for Route Directions based on a Web Sampled Route Direction Corpus.*
10:20 Wook Rak Jung*, University of Saskatchewan; Scott Bell, University of Saskatchewan, *Efficient Research Design for Validating Technology Enhanced Human Navigation.*
10:40 Rui Li*, The Pennsylvania State University; Alexander Klippel, The Pennsylvania State University, *Not only the environment but also ourselves: Impacts of spatial abilities, sense of direction, and familiarity on indoor wayfinding behaviors.*

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- 11:00** Minsung Kim*, Texas A&M University; Bednarz Robert, Texas A&M University, *Development of spatial habits of mind inventory.*
- 11:20** Katsuhiko Oda*, Texas A&M University, *College Students' Understanding of Geospatial Concepts.*
- 4277. Spatiotemporal Analysis of Environmental Phenomena (Sponsored by Space-Time Symposium)**
Room: Cedar Room - Sheraton Hotel, Second Floor (Paper Session)
 ORGANIZER(S): Space-Time Symposium Organizing Committee
 CHAIR(S): Ronald Eastman, Clark University
- 10:00** André Skupin*, San Diego State University; Ninghua Wang, San Diego State University; Trent W Biggs, San Diego State University, *Exploratory Analysis of Snow Dynamics for the Northern Hemisphere.*
- 10:20** L Allan James*, University of South Carolina; Subhajit Ghoshal, University of South Carolina, *Space-Time Cubes and Geomorphic Change Detection: Cartometrics and Softcopy Photogrammetry to Improve Time Dimension.*
- 10:40** Qingling Wu, PhD candidate*, Clark University; J. Ronald Eastman, Clark University, *From Fields to Objects: Time Series of Segmentation on Fiat Boundaries, a Case Study of Mesoscale Eddies.*
- 11:00** Neeti Neeti*, Clark University; J R Eastman, Dr., Clark University, *Impact of space-time orientation on coupled ocean-atmosphere system analysis using CCA.*
- 11:20** Ronald Eastman, Ph.D.*, Clark University; Elia Axinia Machado, Ph.D., Clark University; Neeti Neeti, M.A., Clark University; Hao Chen, Ph.D., Clark University, *Implications of space-time orientation for Principal Components Analysis of earth observation image time series.*
- 4278. Spatiotemporal Analysis: Applications Across Multiple Disciplines (Sponsored by Space-Time Symposium)**
Room: Douglas Room - Sheraton Hotel, Second Floor (Paper Session)
 ORGANIZER(S): Space-Time Symposium Organizing Committee
 CHAIR(S): Desheng Liu, The Ohio State University
- 10:00** Eunjung Lim*, Department of Geography, University of Maryland; Peter Rogerson, Department of Geography, State University of New York at Buffalo, *Detecting a sequence of multiple changes in spatial patterns based on a nonparametric CUSUM.*
- 10:20** Chien-Chou Chen*, UTDallas; Michael Tiefelsdorf, UTDallas, *Small area tobacco demand estimation with diurnal commuting adjustment and error evaluation.*
- 10:40** Nigel Walford, BA, PhD*, Kingston University, *Spatio-temporal Analysis of Agricultural holdings on the South Downs, England: Modelling Continuity of Occupancy by Farm Families.*
- 11:00** Tao Cheng*, University College London, *Integrated Spatio-Temporal Analysis of Road Network Performance.*
- 11:20** Desheng Liu*, The Ohio State University; Jenny Brynjarsdottir, The Ohio State University; Mei-Po Kwan, The Ohio State University, *A Bayesian Hierarchical Approach to Modeling the Spatial-Temporal Dynamics of PM Concentration in Ohio.*
- 4280. Geographer- artists: creative practice as research tool? 1: Collaborating (Sponsored by Qualitative Research Specialty Group)**
Room: Grand Ballroom B - Sheraton Hotel, Second Floor (Paper Session)
 ORGANIZER(S): Harriet Hawkins; Phil Jones, University of Birmingham
 CHAIR(S): Harriet Hawkins
- 10:00** Hannah Neate, Dr*, University of Edinburgh, *Archiving an artist.*
- 10:20** Divya Praful Tolia-Kelly*, Durham University, *Art and Geography: envisioning collaborative cultures of theory, politics, and practice.*
- 10:40** Leah M Gibbs, PhD*, University of Wollongong, *Three glimpses of the river: SiteWorks and place-making on the Shoalhaven.*
- 11:00** Simon Read*, Middlesex University, *Imagining Change.*
- 11:20** Linda Vigdor, PhD*, University of Arizona, Dept of Geography & Development, *Creative Geovisualizations of Territory and Cosmos: The Case of the Advanced Visualization Laboratory.*
- 4281. Retail Restructuring and Internationalization**
Room: Grand Ballroom C - Sheraton Hotel, Second Floor (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Jennifer Gerend, The Evergreen State College
- 10:00** Barbara Hahn*, Wuerzburg University, *The Globalisation of the Shopping Center Industry.*
- 10:20** Jennifer R. Gerend, AICP, MUP*, The Evergreen State College, *U.S. and German Approaches to Regulating Retail Development: Urban Planning Tools and Local Policies.*
- 10:40** Hubert B. Stroud*, Arkansas State University, *The Emergence of American Supercenters.*
- 11:00** Yang Yang*, University of Florida, *Agglomeration Effects and Hotel Location-Empirical Analysis from Major China Cities.*
- 4282. How to be an Editor for the Association of American Geographers**
Room: Grand Ballroom D - Sheraton Hotel, Second Floor (Panel Session)
 ORGANIZER(S): Antoinette M.G.A. WinklerPrins, Michigan State University
 CHAIR(S): Antoinette M.G.A. WinklerPrins, Michigan State University
 Discussant(s): Mark Alan Fonstad, Texas State University, San Marcos; Audrey L. Kobayashi, Queen's University; Mei-Po Kwan, Ohio State University; Peter O. Muller, University of Miami; Karl S. Zimmerer, Penn State University; Barney Warf, University of Kansas; Bimal Kanti Paul, Kansas State University; Michael Goodchild, University of California - Santa Barbara; Susan Hanson, Clark University; Sharmistha Bagchi-Sen, SUNY-Buffalo; John Paul Jones, University of Arizona
- 4283. Understanding the Non-Tenure Track Job Market and Appointment (Sponsored by Graduate Student Affinity Group)**
Room: Juniper Room - Sheraton Hotel, Second Floor (Panel Session)
 ORGANIZER(S): Toni A. Alexander, Auburn University
 CHAIR(S): Toni A. Alexander, Auburn University
 Panelists: Susan Lucas, Temple University; Steve Cook, Oregon State University; Veronica Ouma, Hofstra University; John Patrick Harty, University of Wyoming

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- 4284. Technologies of Oil**
Room: Madrona Room - Sheraton Hotel, Second Floor (Paper Session)
 ORGANIZER(S): Emilia Kennedy, The University of British Columbia; Max Ritts, University of Toronto
 CHAIR(S): Emilia Kennedy, The University of British Columbia
10:00 Bram F. Noble, Ph.D.*, University of Saskatchewan; Skye Ketilson, M.E.S., University of Saskatchewan; Alec Aitken, Ph.D., University of Saskatchewan, *Advancing Strategic Environmental Assessment for Offshore Energy Development in Canada's Beaufort Sea.*
10:17 Emilia Kennedy*, The University of British Columbia, *The Negation of Negation?: Carbon Capture and Storage and Geoengineering Visions in Alberta and the North American Plains.*
10:34 Katie Mazer*, University of Toronto, *Difference, domination, and the making of national subjects in the Alberta tar sands.*
10:51 Max Ritts*, University of British Columbia, *Big Oil, meet Big Geospatial.*
11:08 David Campanella, BES*, York University, *Concealing the Carbon: Petro-politics and CCS in the Alberta Tar Sands.*
 Discussant(s): Anna Zalik
- 4286. Visualizing & Modeling Agents in Space-Time (Sponsored by Space-Time Symposium)**
Room: Willow A - Sheraton Hotel, Second Floor (Paper Session)
 ORGANIZER(S): Space-Time Symposium Organizing Committee
 CHAIR(S): Robert Aguirre
10:00 Li An*, San Diego State University; Ninghua Wang, San Diego State University; Daniel G Brown, University of Michigan, *Geographic Survival analysis: A New Paradigm for Space-time Integration and Analysis.*
10:20 Paul M Torrens*, Arizona State University, *Animating agents through space and time using simulation, data-mining, and video gaming technology.*
10:40 Ed Manley*, University College London; Tao Cheng, University College London, *Modelling the Impact of Unexpected Interruptions on Road Network Performance using Agent-Based Simulation.*
11:00 Ondrej Mulicek*, Masaryk University Brno; Robert Osman, Masaryk University Brno; Daniel Seidenglanz, Masaryk University Brno, *Urban Chronogeography - Looking for Postindustrial Chronotope.*
11:20 Robert Aguirre*, University of Washington, *Geovisual Evaluation of Public Participation in Decision Making: The Grapevine.*
- 4287. Building a Temporally Enabled Global Gazetteer (Sponsored by Space-Time Symposium, Harvard University Center for Geographic Analysis, Association of American Geographers)**
Room: Willow B - Sheraton Hotel, Second Floor (Meeting Session)
 ORGANIZER(S): Merrick Berman, China Historical GIS, Harvard Univ
 CHAIR(S): Peter Bol, Harvard University

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- 4304. Human Dimensions of Global Change Specialty Group Business Meeting**
Room: 604 - Washington State Convention Center, Level 6
- 4306. Hazards Specialty Group Business Meeting**
Room: 606 - Washington State Convention Center, Level 6
- 4311. European Specialty Group Business Meeting**
Room: 611 - Washington State Convention Center, Level 6
- 4327. Bible Geography Specialty Group Business Meeting**
Room: 304 - Washington State Convention Center, Level 3
- 4333. Business Geography Specialty Group Business Meeting**
Room: 310 - Washington State Convention Center, Level 3
- 4336. Animal Geography Specialty Group Business Meeting**
Room: 201 - Washington State Convention Center, Level 2
- 4339. Communication Geography Specialty Group Business Meeting**
Room: 204 - Washington State Convention Center, Level 2
- 4351. Retired Geographers Affinity Group Business Meeting**
Room: Columbia - Sheraton Hotel, Union Tower, Fourth Floor
- 4358. Geography of Religions and Belief Systems Specialty Group Business Meeting**
Room: University - Sheraton Hotel, Union Tower, Fourth Floor
- 4383. Graduate Student Affinity Group Business Meeting**
Room: Juniper Room - Sheraton Hotel, Second Floor
- 4387. Space-Time Integration in Geography and GIScience Discussion: Trends and Directions (Sponsored by Space-Time Symposium)**
Room: Willow B - Sheraton Hotel, Second Floor (Plenary Session)
 ORGANIZER: Douglas Richardson, Association of American Geographers
 CHAIR: Douglas Richardson, Association of American Geographers
11:45 Douglas Richardson, Association of American Geographers
11:55 Michael Goodchild, University of California - Santa Barbara
12:05 Mei-Po Kwan, Ohio State University
12:15 Tomoki Nakaya, Geography Department, Ritsumeikan University
12:25 Peter Bol, Harvard University
12:35 Yanwei Chai, College of Urban and Environmental Sciences, Peking University

FRIDAY, APRIL 15 • 12:40 PM - 2:20 PM • 4400**4403. Thünian Thought Today (Sponsored by Rural Geography Specialty Group)**

Room: 603 - Washington State Convention Center, Level 6
(Panel Session)

ORGANIZER(S): Allison Brown

CHAIR(S): Allison Brown

Introducer: Allison Brown

Panelists: Ronald F. Abler, International Geographical Union; Adam Diamond, USDA; Neil A. Best, Computation Institute, University of Chicago; Andrew Ryder, University of Portsmouth

4404. Earth, Fire, and Water: Land-Use Change Effects on Biogeochemical Cycling I (Sponsored by Human Dimensions of Global Change Specialty Group, Biogeography Specialty Group, Water Resources Specialty Group)

Room: 604 - Washington State Convention Center, Level 6
(Paper Session)

ORGANIZER(S): Kathleen A. Farley, San Diego State University; Alexandra G. Ponette-González, University of Texas at Austin

CHAIR(S): Alexandra G. Ponette-González, University of Texas at Austin

12:40 Jennifer R. Marlon, PhD*, University of Wisconsin-Madison; Mitchell J. Power, PhD, University of Utah; Patrick J. Bartlein, PhD, University of Oregon, *The impacts of biomass burning on global biogeochemical cycles during the Holocene.*

1:00 Kathleen A. Farley*, San Diego State University; Leah L. Bremer, San Diego State University - U.C. Santa Barbara; Carol P. Harden, University of Tennessee; James Hartsig, University of Tennessee, *Changes in carbon storage under alternative land uses in páramo grasslands.*

1:20 Ingrid Haeckel*, University of Texas at Austin; Yareni Perroni-Ventura, PhD, Universidad Veracruzana, *Species effects on soil carbon, nutrient pools, and water content following reforestation of a Mexican cloud forest.*

1:40 Erika Marin-Spiotta*, University of Wisconsin, Madison; Emily E. Atkinson, University of Wisconsin, Madison; Sapna Sharma, University of Wisconsin, Madison, *Factors Controlling Response of Tropical Soil Carbon Pools to Afforestation.*

2:00 Carol S. Mladinich*, United States Geological Survey; Stacy E. Curry, United States Geological Survey; Devin Cowan, USGS/ Volunteer for Science; Gergo Szanko, USGS/ Volunteer for Science; Dean Anderson, United States Geological Survey, *Quantifying Changes in Vegetation Biomass and Carbon Cycling in Semi-Arid Urban Ecosystems.*

4406. 2010 Disasters in Review: Reflections on Lessons Learned for Disaster Loss Reduction (Part 1) (Sponsored by Association of American Geographers, Hazards Specialty Group)

Room: 606 - Washington State Convention Center, Level 6
(Panel Session)

ORGANIZER(S): Deborah Thomas, University of Colorado Denver; Jean McKendry, Association of American Geographers

CHAIR(S): Deborah Thomas, University of Colorado Denver

Introducer: Deborah Thomas

Panelists: Chris S. Renschler, SUNY - Buffalo; Susan Wolfenbarger, Ohio State University; Marc A. Levy, CIESIN - Columbia University; Daanish Mustafa, King's College, London; Charles J. Kelly, The CUNY Center

4407. Census 2010: Census Bureau Geographic Issues and Operations

Room: 607 - Washington State Convention Center, Level 6
(Paper Session)

ORGANIZER(S): Joshua Coutts, U.S. Bureau Of the Census

CHAIR(S): Vincent Osier, U.S. Bureau Of the Census

12:40 Anthony Knapp*, U.S. Bureau of the Census, *The State Certification Program in association with the 2011 Boundary and Annexation Survey (BAS).*

1:00 Martin Byrne*, U.S. Bureau of the Census, *Tribal Boundary and Annexation Survey (BAS).*

1:20 Joshua Coutts*, U.S. Bureau Of the Census, *Estates and Other Census Geographic Updates in the U.S. Virgin Islands for Census 2010.*

1:40 Vincent Osier*, U.S. Bureau Of the Census, *ZIP Code Tabulation Areas (ZCTAs) for 2010 and Beyond.*

4408. Taylor-Francis/Routledge Distinguished Lecture on Geomorphology and Society (Sponsored by Geomorphology Specialty Group)

Room: 608 - Washington State Convention Center, Level 6
(Panel Session)

ORGANIZER(S): Mark Alan Fonstad, Texas State University, San Marcos

CHAIR(S): Mark Alan Fonstad, Texas State University, San Marcos

Introducer: Mark Alan Fonstad

Panelists: David R. Montgomery, University of Washington

4409. SAM Student Paper Competition II (Sponsored by Spatial Analysis and Modeling Specialty Group)

Room: 609 - Washington State Convention Center, Level 6
(Paper Session)

ORGANIZER(S): Fang Qiu, University of Texas - Dallas

CHAIR(S): Fang Qiu, University of Texas - Dallas

12:40 Li Zhou*, University of Cincinnati; Lin Liu, University of Cincinnati, *Investigating Zone Pricing in Gasoline by Multilevel Modeling.*

1:00 Ping Yin*, University of Georgia; Lan Mu, University of Georgia, *Detecting Disease Clusters in Arbitrary Shapes with a Redesignated Spatial Scan Statistic.*

1:20 Yujia Zhang*, Clark University; Robert Gilmore Pontius, Clark University, *Characterizing Land Changes over Several Time Points.*

1:40 Wuxuan Xiang*, Clark University, *Comparison of Flow matrix and Markov matrix to describe and extrapolate land change.*

4411. Localizing the Region, Experiencing Geopolitics 1 (Sponsored by Political Geography Specialty Group, Middle East Specialty Group, European Specialty Group)

Room: 611 - Washington State Convention Center, Level 6
(Paper Session)

ORGANIZER(S): Carl Thor Dahlman, Miami University; Amy Mills, University of South Carolina

CHAIR(S): Carl Thor Dahlman, Miami University

12:40 Michael R. Glass*, University of Pittsburgh, *Visioning Projects and the Multiscalar Construction of Regional Identities.*

1:00 Amy Mills*, University of South Carolina, *Locating Turkey: Regional Identities, Urban Contexts.*

1:20 Anssi Paasi*, University of Oulu; Joni Vainikka*, University of Oulu, *The 'region' and 'identity' in planning narratives and in everyday life. Problematizing scale and the missing politics..*

1:40 Virginie Mamadouh*, University of Amsterdam, *Performing Multilingualism: EU Institutions Online.*

Discussant(s): Banu Gokariksel, University of North Carolina, Chapel Hill

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- 4412. HiGETT: Utilizing Geospatial Technology in K-12 Education - "Building a Foundation for STEM Disciplines". (Sponsored by Community College Affinity Group)**
Room: 612 - Washington State Convention Center, Level 6
 (Panel Session)
 ORGANIZER(S): Kerry Lyste, Everett Community College
 CHAIR(S): Kerry Lyste, Everett Community College
 Discussant(s): Rodney Jackson, National GeoTech Center; Eric Sproles; Robert A Dastrup, Salt Lake Community College; Tora Johnson, University of Maine at Machias; Ann Johnson, GeoTech Center
- 4413. Spectral Mixture Analysis: Advances in Modeling and Applications (Sponsored by Remote Sensing Specialty Group)**
Room: 613 - Washington State Convention Center, Level 6
 (Paper Session)
 ORGANIZER(S): Philip E. Dennison, University of Utah; Rebecca Powell, University Of Denver
 CHAIR(S): Philip E. Dennison, University of Utah
12:40 Dar A Roberts*, University Of California, *Everything you wanted to know about spectral mixture analysis but were afraid to ask.*
1:00 Scott Matheson*, University of Utah; Philip Dennison, Ph.D., University of Utah, *Evaluating the effects of spatial scaling on hyperspectral fire detection and temperature retrieval.*
1:20 Rebecca L Powell*, Univesity Of Denver, *Including Confusion: Accuracy Assessment of Sub-pixel Fractions.*
1:40 Caitlin L Lippitt*, San Diego State University; Douglas A Stow, Ph.D., San Diego State University, *Spectral-temporal mixture analysis of moderate resolution imagery for herbaceous cover mapping in shrubland habitats.*
2:00 Philip E. Dennison*, University of Utah; Abigail N. Schaaf, US Forest Service Remote Sensing Applications Center; Gregory K. Fryer, University of Utah; Keely L. Roth, University of California Santa Barbara; Dar A. Roberts, University of California Santa Barbara, *Mapping Plant Functional Types Across Multiple Spatial and Spectral Resolutions Using Multiple Endmember Spectral Mixture Analysis.*
- 4414. Views from a Bridge: Disciplinary Connections**
Room: 614 - Washington State Convention Center, Level 6
 (Paper Session)
 ORGANIZER(S): James A. Ketchum, Association of American Geographers
 CHAIR(S): Kent Mathewson, Louisiana State University
12:40 Alexander G. Johnson*, University of New Orleans, *Louisiana Higher Education: A Presentation of Affected Programs and Departments in Public Universities.*
1:00 Kent Mathewson*, Louisiana State University, *Atlantic Studies: Geography's & Geographers' Past and Present Contributions.*
1:20 William C Rowe*, Louisiana State University, *Geolinguistics, Culture, and Politics in the Development and Maintenance of Tajiki.*
1:40 Theresa M. Ellis*, Drew University, *Cursory Cartography, Botched Biblical Maps.*
- 4415. Place and the Literary Imagination**
Room: 615 - Washington State Convention Center, Level 6
 (Paper Session)
 ORGANIZER(S): James A. Ketchum, Association of American Geographers
 CHAIR(S): Marc Brosseau, University of Ottawa
12:40 Stacie A Townsend*, California State University, Long Beach, *Evolving California Fiction: Literary Representations of Landscapes and Emotional Geographic Constructs.*
1:00 Don Colley III*, San Diego State University, *Reconsidering Geography in the Writings of Robert Frost: From Images of Pastoral Life to the Politics of Desire.*
1:20 Marc Brosseau, Dr*, University of Ottawa, *Placing the reception of Charles Bukowski's literary works.*
1:40 Daniel McGowin*, Alabama State University, *Gone but Not Forgotten: Place and Representation in Windham and Figh's '13 Alabama Ghosts'.*
- 4416. Landscape and Creative Expression**
Room: 616 - Washington State Convention Center, Level 6
 (Paper Session)
 ORGANIZER(S): James A. Ketchum, Association of American Geographers
 CHAIR(S): Tim Cresswell, Royal Holloway, University of London
12:40 Philip Govedare, Professor*, University of Washington, *Art and the Politics of Landscape.*
1:00 Joan M Schwartz, Ph.D.*, Queen's University, Kingston, *The Art of Place: Marlene Creates, Visual Geographer.*
1:20 Tim Cresswell*, Royal Holloway, University of London, *Documentary Photography and the Surrealism of Everyday Life.*
1:40 Brian Mills, Graduate Student*, University of Texas at Austin, *"The Motorcycle Diaries" and the Mobility of Oppression.*
2:00 Adam Mandelman*, University of Wisconsin - Madison, *Forgetting the 'Milieux de Mémoire': Toward New Geographies of Memory.*
- 4417. Using Geography's Toolkit: New Directions in Humanities Scholarship**
Room: 617 - Washington State Convention Center, Level 6
 (Paper Session)
 ORGANIZER(S): James A. Ketchum, Association of American Geographers
 CHAIR(S): Jim Cocola, Worcester Polytechnic Institute
12:40 Karen Roekard*, Independent Scholar; Stephen Egbert*, University of Kansas, *Utilizing Geospatial Genealogy and Historical GIS to Create Memorial Maps of Victims of the Holocaust.*
1:00 Mary B. Ruvane, MSIS*, University of North Carolina - Chapel Hill, *Digital Humanities: A collaborative tool for mapping, evaluating, and sharing reconstructed colonial American settlement maps.*
1:20 Jim Cocola*, Worcester Polytechnic Institute, *"Making a Mappemunde": Cartographical Tools for Understanding Ezra Pound's _Cantos_ and Charles Olson's _Maximus Poems_.*
1:40 Patricia Hackbarth*, Independent Scholar, *The Unmaking of Place: Literary Landscapes, Satellite Imagery, and Environmental Change.*
2:00 Esra Ozdenerol*, University of Memphis; Cem Akkus, Research Assistant, *Civil Rights Movement: Mapping History through Interactive Maps.*

FRIDAY, APRIL 15 • 12:40 PM - 2:20 PM • 4400**4418. Geographies of Japan: Rural, Urban and International Perspectives (Sponsored by Asian Geography Specialty Group, Economic Geography Specialty Group)**

Room: 618 - Washington State Convention Center, Level 6
(Paper Session)

ORGANIZER(S): David W. Edgington, University Of British Columbia

CHAIR(S): David W. Edgington, University Of British Columbia

12:40 Mary G. McDonald, Ph.D.*, University of Hawaii, *Rice Varieties for Northeastern Japan: Local and Mobile.*

1:00 Yoshitaka Miyake*, Ph.D. candidate, the University of Hawaii, *Farmers' Views and Negotiation with Neoliberalism: Neoliberal Policy Promotion and Community-Based Farm Production Bodies in Northeastern Japan.*

1:20 Natacha Aveline-Dubach*, CNRS professor, French National Research Center, French Institute on Contemporary Japan (Tokyo), *The change in urban pattern under the rise of real estate securitization in Tokyo.*

1:40 Unryu Suganuma*, J. F. Oberlin University, *The 9/7 Incident between Japan and China in the East China Sea.*

2:00 David W. Edgington, Dr.*, University Of British Columbia; Roger Hayter, Professor, Simon Fraser University, *Why are Japanese Electronics Firms Still in Malaysia? Aspects of Competition with China.*

4419. Peri-urban natures: renegotiations and reinterpretations of peri-urban places and concepts, session 1

Room: 619 - Washington State Convention Center, Level 6
(Paper Session)

ORGANIZER(S): Mattias Qvistrom, Swedish Univ of Agricultural Sciences; Vera Vicenzotti, Technische Universität München

CHAIR(S): Jay Bolthouse, The University of Tokyo

12:40 David Simon, Prof*, Royal Holloway, University Of London; Andrew Adam-Bradford, Dr, University of Sheffield, *Hybrid Planning In The Peri-Urban Interface: Planning And Design For Adaptation And Resilience Along The Urban-Rural Continuum.*

1:00 Joelle Salomon Cavin*, Lausanne university, *A positive conscience of peri-urban space: regulating hybrids through environmental strategies.*

1:20 Mattias Qvistrom*, Swedish Univ of Agricultural Sciences, *Shadow analysis: searching for stories of a hybrid landscape as a base for peri-urban planning.*

1:40 Heide S Martin, MLA, MCRP*, Integrated Design Lab, University of Washington; Michael A Lewis, MLA*, University of Washington, *A Becoming Place: Trail design as an approach to revaluating a peri-urban narrative.*

2:00 Alistair Scott*, Birmingham City University, *Whose fringe is it anyway: prospects and opportunities for integrated management of the urban- rural fringe..*

4420. Mobilities, Borders, and Confinement II: Mobility and Exclusion (Sponsored by Population Specialty Group, Urban Geography Specialty Group, Ethics, Justice, and Human Rights Specialty Group)

Room: 620 - Washington State Convention Center, Level 6
(Paper Session)

ORGANIZER(S): Matthew Mitchelson, Dartmouth College; Dominique Moran, University of Birmingham

CHAIR(S): Matthew Mitchelson, Dartmouth College

12:40 Rowan Ellis*, University of Aberdeen, *On the Wrong Side of the Wall: mobility, fixity, and the geographies of exclusion in Chennai, India.*

1:00 Djemila Zeneidi*, CNRS Bordeaux, *Testing the confinement concept via the case study of female Moroccan farmworkers in Huelva (Spain).*

1:20 Jen Gieseking*, CUNY Graduate Center, *Where Do We Go from Queer?: Why the Ways Spaces Are Produced in Everyday Lesbian and Queer Urban Life Matter When We Talk about (Im)Mobility.*

1:40 Matthew Lowen*, University of Arizona, *Confining Mobility and Supermax Prisons.*

2:00 Shaul Cohen*, University of Oregon, *Breaking Place, Making Place: Creating a Blended Classroom Within Prison Walls.*

4421. Environmental Science & Medical Geography & Historical Geography

Room: 6ABC - Washington State Convention Center, Level 6
(Poster Session)

ORGANIZER(S): Program Committee

Blake Helm*, Lane Community College, *Communities and Schools Working to Improve Student Health.*

Shuyan Huo*, Department of Geography, University of Cincinnati; Lin Liu, Ph.D., Department of Geography, University of Cincinnati; Andrew P. South, M.D. M.P.H., Division of Neonatology, Perinatal Institute, Cincinnati Children's Hospital Medical Center; David E. Jones, M.P.H., Division of Neonatology, Perinatal Institute, Cincinnati Children's Hospital Medical Center; Eric S. Hall, Ph.D., Division of Neonatology, Perinatal Institute, Cincinnati Children's Hospital Medical Center; Jareen Meinzen-Derr, Ph.D., Division of Neonatology, Perinatal Institute, Cincinnati Children's Hospital Medical Center; James M. Greenberg, M.D., Division of Neonatology, Perinatal Institute, Cincinnati Children's Hospital Medical Center, *Spatial Distribution and Risk Factors of Preterm Birth: A case study in the Hamilton County, Ohio.*

Ashley E Suiter*, Central Michigan University, *Proposal for Assessing Cervical Cancer Risk in Illinois.*

Lindsey Warren*, University of North Alabama; Francis Koti, University of North Alabama, *A Geographic Analysis of Spatial Patterns of HIV1 and HIV2 in Africa.*

Donald A Friend*, Minnesota State University; Cynthia A Miller, Minnesota State University, *Cultural Geography in a Pre-Nursing Professional Degree Program - A 'Win-Win' Prospect.*

Roberto Campos*, *Developing A Computational Dengue Fever Model Using NetLogo.*

Nikita H Prajapati, Undergrad*, Cal Poly Pomona, *Food Culture and Health Issues in Pisco Firme, Bolivia.*

Kathryne A. Henderson*, Dept. of Geology and Geography and Jiann-Ping Hsu College of Public Health, Georgia Southern University; Brian H Bossak, PhD, MPH, Jiann-Ping Hsu College of Public Health, Georgia Southern University; Mark R Welford, PhD, Dept. of Geology and Geography, Georgia Southern University, *Network Analysis of Medieval Black Death Mortality Using GIS.*

James L. Wilson, Ph.D.*, Northern Illinois University; Christopher J. Mansfield, Ph.D., East Carolina University, *(Re-) modeling Premature Mortality in the US.*

Christina Czarnecki*, University of New Hampshire; Michael Palace, University of New Hampshire; Ernst Linder, University of New Hampshire; Peter Ingraham, Applied Geosolutions; Chengwei Yuan, University of New Hampshire; Nathan Torbick, University of New Hampshire; Michael Routhier, University of New Hampshire; Rosemary Caron, University of New Hampshire; David Bartlett, University of New Hampshire; Xiangming Xiao, University of Oklahoma, *Examining the Spatial and Temporal*

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- Ecology of Vector-Borne Lyme Disease in New Hampshire.*
- Jesus Martinez*, Universidad De Puerto Rico; Karla Isabel Morales*, Universidad De Puerto Rico, *Making Affordable Healthcare Accessible in Puerto Rico.*
- Justin B. Marsh*, Dept. of Geology and Geography and Jian-Ping Hsu College of Public Health, Georgia Southern University; Mark R. Welford, PhD, Dept. of Geology and Geography, Georgia Southern University; Brian H. Bossak, PhD, MPH, Jiann-Ping Hsu College of Public Health, Georgia Southern University, *GIS Modeling of Medieval Black Death Mortality via Kriging Techniques.*
- Adam R Middleton*, Dept. of Geology and Geography and Jiann-Ping Hsu College of Public Health, Georgia Southern University; Mark R Welford, PhD, Dept. of Geology and Geography, Georgia Southern University; Brian H Bossak, PhD, MPH, Jiann-Ping Hsu College of Public Health, Georgia Southern University, *GIS Database Construction of the Medieval Black Death Mortality from 1352 to 1801.*
- Elaine J. Hallisey, MA*, U.S. Centers for Disease Control & Prevention; Shannon Graham, MA, U.S. Centers for Disease Control & Prevention; Barry Flanagan, PhD, Hewlett Packard; Stevan Bullard, JD, MA, U.S. Centers for Disease Control & Prevention; Brian Lewis, B.S., Hewlett Packard; Gordon Freymann, MPH, Georgia Department of Community Health, *Exploration of income inequality, race, and infant mortality in the state of Georgia.*
- Xiaoping Shen*, Department of Geography, Central Connecticut State University; Limin Wang, Division of Disease Surveillance, Chinese Center for Disease Control and Prevention; Xiulan Zhang, School of Social Development & Public Policy, Beijing Normal University, *Spatial Distribution and Changes of Lung Cancer Mortality in China, 2004-2008.*
- Patricia Murphy, Walgreen Co.; Ed Cohen, Walgreen Co.; Devonee Harshburger*, Walgreen Co., *Community Pharmacy Impact on Access to Immunizations for Medically Underserved Populations.*
- Natalie Louise Heberling, M.A., M.S.*, University of New Mexico, *Prehistoric Roads of New Mexico: A Synthesis of GIS and Remote Sensing Techniques.*
- Yasser M Ayad, Ph.D.*, Clarion University of Pennsylvania, *Mapping Islamic Cairo.*
- Catherine Clark*, Portland State University, *Early Archaic Human-Environment Interaction in the Powder River Basin of Wyoming.*
- William E. Doolittle*, University of Texas; Charles C. Mann, Independent scholar; Peter H. Dana, University of Texas, *Humanized Landscapes Before 1492.*
- Christine Rosenfeld*, Penn State University, *The 'Who' of the Cigar Making Industry: Gender, Ethnicity, & Place-Traditions, 1757-1900.*
- Nicholas Santos*, University of California, Santa Barbara, *The Geohistory of Nano-Policy in the United States.*
- Adam A. Payne*, Oklahoma State; Ajax Delvecki, Oklahoma State, *The World's Largest Totem Pole: Rejuvenating Oklahoma's Heritage in Totem Pole Park, Foyil, Oklahoma.*
- G. Rebecca Dobbs*, University of North Carolina at Chapel Hill; David Southern, Duke University Press, *Town Formation in the Colonial Backcountry: 18th Century Hillsborough, NC, at Two Scales.*
- Kelsey M Carlson*, Saint Cloud State University, *Preserving Tradition within a Changing Homeland: Historiography, Cultural Identity and the Movement Patterns of the Bdewakantuwan Dakota.*
- Bob Hall, University of New South Wales-ADFA; Andrew Ross, University of New South Wales-ADFA; Amy L Griffin*, University of New South Wales-ADFA; Michael Barlow, University of New South Wales-ADFA; Derrill DeHeer, University of New South Wales-ADFA, *Operation "Wandering Souls": Using Space and Time to Identify Possible Burial Locations of Vietnamese Missing in Action (MIAs).*
- Leonard Rufer*, *A Toxic Legacy.*
- Yong Mei*, graduate school of environmental studies, Tohoku university; Kiyotaka Sakaida, Graduate School of Environmental Studies, Tohoku University; Yoshihiko Hirabuki, Tohoku Gakuin University; Hiroshi Kanno, Miyagi Environmental Preservation Institute, Japan, *Recent Vegetation Changes in Xilinguole Grassland Based on Remote Sensing and Field Surveys.*
- Weihong Li*, Xinjiang Institute of Ecology and Geography, Chinese Academy of Sciences; Honghua Zhou, Xinjiang Institute of Ecology and Geography, CAS.; Chenggang Zhu, Xinjiang Institute of Ecology and Geography, CAS, *Response of Temporal and Spatial Characteristics of Aboveground Biomass of Grassland to Groundwater Resource in the Lower Reaches of Tarim River, Northwest China.*
- Jiaying Wu*, The Ohio State University, *Response from Native plants to the water-resource in the Great Basin.*
- Mariana Rivera*, University of Puerto Rico Rio Piedras Campus; Zulma Rivera*, University of Puerto Rico Rio Piedras Campus, *An Evaluation of Beach Sediment Characteristics (Composition and Grain Size) in Two Beach Sites on the North Coast of Puerto Rico Island (2010): and its Relation with River Discharge Dynamic..*
- Esam O. Abdulsamad*, University of Garyounis, Earth Sciences Department, *Microfacies and microbiota of the Cenozoic karst host rock units of Al Jabal al Akhdar (Cyrenaica, NE Libya).*
- Ryan Orgera*, Louisiana State University, *Legal and Cultural Construction of American Oceanic Space.*
- 4424. Academic Advising and Student Support: Perspectives from Online and Resident Programs (Sponsored by Geography Faculty Development Alliance (GFDA), Enhancing Departments and Graduate Education project (EDGE))**
Room: 301 - Washington State Convention Center, Level 3 (Panel Session)
 ORGANIZER(S): JoAnn Vender, Pennsylvania State Univ
 CHAIR(S): JoAnn Vender, Pennsylvania State Univ
 Panelists: JoAnn Vender, Pennsylvania State Univ
- 4425. Medical Geography: GIS**
Room: 302 - Washington State Convention Center, Level 3 (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): LIANG MAO, University of Florida
12:40 Ikuho Yamada*, Center for Spatial Information Science, University of Tokyo, *Spatial Variations in Associations between Neighborhood Walkability and Socio-demographic Characteristics: A Case Study in Utah.*
1:00 Feng Qi*, Kean University; Fei Du, University of Wisconsin-Madison, *Using tracking technology for space-time behavior study at the micro-scale.*
1:20 Jun Tu*, Kennesaw State University; Wei Tu, Georgia Southern University, *Examining Spatially Varying Relationships between Birth Weight and Socioeconomic, Environmental, and Behavioural Factors using Geographically Weighted Regression.*

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- 1:40 Li Li*, Texas A&M University; Daniel Z Sui, The Ohio State University, *Exploring Time-Space Relations between Physical Activity and Built Environment - A Pilot Study at Texas A&M University*.
- 2:00 Liang Mao*, University of Florida, *Modeling a new weekend-extension strategy to mitigate influenza epidemics*.
- 4426. Climate change: Drivers, consequences, and effects on ecosystem functioning - Session 1 of 2 (Sponsored by Human Dimensions of Global Change Specialty Group, Climate Specialty Group, Biogeography Specialty Group)**
- Room: 303 - Washington State Convention Center, Level 3 (Paper Session)
- ORGANIZER(S): Kelley J. O'Neal, University of Maryland; Tatiana Loboda, University of Maryland - College Park
- CHAIR(S): Tatiana Loboda, University of Maryland - College Park
- 12:40 Kelley J. O'Neal*, University of Maryland, *Impacts of grazing, fire, and precipitation variability on woody plant cover in Chihuahuan semi-desert grasslands*.
- 1:00 Kim Diver*, Wesleyan University; Alicia Ibañez, Smithsonian Tropical Research Institute, *Potential loss of habitat diversity due to sea-level rise on seven tropical eastern Pacific islands*.
- 1:20 William D. Solecki*, city university of new york; michael brady, hunter college - city university of new york; allan frei, hunter college - city university of new york; peter marcotullio, hunter college - city university of new york, *Critical Transitions, Climate Change and Urban Water Resources Management*.
- 1:40 Bo Jiang*, University of Maryland, *Assessment of the environmental impacts of Three-North China Forest Shelterbelt using remote sensing data and ground measurements*.
- 2:00 Tatiana Loboda, PhD*, University of Maryland - College Park; Mark Carroll, University of Maryland; Charlene Dimiceli, University of Maryland, *Evaluating impacts of climate-driven change in fire regimes on human and natural systems using a Fire Occurrence Model*.
- 4427. Controversies, New Insights, and Teaching Suggestions for a Better Understanding of Ancient Israel, 1850 BCE to 70 CE (Sponsored by Bible Geography Specialty Group)**
- Room: 304 - Washington State Convention Center, Level 3 (Paper Session)
- ORGANIZER(S): William A. Dando, Indiana State University
- CHAIR(S): William A. Dando, Indiana State University
- 12:40 William A. Dando*, Indiana State University, *Water Collectors for Food Production in Ancient Israel*.
- 1:00 Ronald R. Boyce, Ph.D.*, Seattle Pacific University and Bakke Graduate University, *The First Precept: The Primary Purpose of Cities?*.
- 1:20 Daniel Kelly Ogden*, Brigham Young University, *"Understanding Biblical Teachings in their Geographical Context"*.
- 1:40 Bruce R. Crew*, Michigan State University, *The Bible within the Context of Historical Geo-Political Power Cores in the Levant*.
- 2:00 Barry J. Beitzel*, Trinity Evangelical Divinity School, *The "Red Sea" in classical written sources and early cartographic traditions*.
- 4428. Sedimentary Perspectives on Paleoenvironmental Change I (Sponsored by Paleoenvironmental Change Specialty Group, Biogeography Specialty Group, Geomorphology Specialty Group)**
- Room: 305 - Washington State Convention Center, Level 3 (Paper Session)
- ORGANIZER(S): Kevin Spigel, Unity College; Samantha Kaplan, University of Wisconsin - Stevens Point
- CHAIR(S): Kevin Spigel, Unity College
- 12:40 Sally P. Horn*, University Of Tennessee; Alisa L. Hass, University of Wisconsin-Platteville, *Black Pond, Tennessee, Revisited: Charcoal, Legacy Sediment, and AMS-dated Macrofossils in a New Core from an Old Site*.
- 1:00 Alan F Halfen*, University of Kansas; William C Johnson, University of Kansas; Paul R Hanson, University of Nebraska-Lincoln; Joel Q G Spencer, Kansas State University; Terri L Woodburn, University of Kansas; Aaron R Young, University of Nebraska-Lincoln, *Rapid climate shifts, dune activity, and megadroughts in the central Great Plains around the Medieval Climatic Anomaly and Little Ice Age*.
- 1:20 Philip Van Beynen*, University of South Florida; Anna Leech, University of South Florida, *A high-resolution Floridian speleothem record for the Mid-Holocene*.
- 1:40 Kevin M Spigel*, Unity College, *Using Environmental Magnetism and Loss-on-Ignition to Identify Rapid Climate Change Events in Coastal Maine*.
- 4429. Circulation and Translation: Networks and Agency in the Production of Architectural Cultures in Southeast Asia**
- Room: 306 - Washington State Convention Center, Level 3 (Paper Session)
- ORGANIZER(S): Imran Bin Tajudeen, NUS; Jiat-Hwee Chang, National University of Singapore
- CHAIR(S): Imran Bin Tajudeen, NUS
- Introducer: Imran Bin Tajudeen
- 12:45 Hazel Hahn, Associate Professor of History*, Seattle University, *Geographical Conceptions of Asia and Indochina and Their Influence on Architecture, 1800-1931*.
- 1:05 Jiat-Hwee Chang*, National University of Singapore, *Tropical Military Barracks in Colonial Singapore and the British Colonial Networks: Experimentation, Heterogeneous Engineering and the Colonial Spaces of Exception, 1800s to 1940s*.
- 1:25 Sarah Moser*, Department of Cultural Studies, University of Massachusetts Lowell, *The transnational circulation of 'Malayness' through state architecture in Indonesia and Malaysia*.
- 1:45 Imran Bin Tajudeen*, NUS, *Making Javanese Architecture 'Islamic': Early Modern Reinvention and Twentieth-century Interventions in North Coast Java's State Mosques*.
- Discussant(s): C. Greig Crysler, Uc Berkeley
- 4430. Cities and Flows (Paper) (Sponsored by Urban Geography Specialty Group, Economic Geography Specialty Group, Transportation Geography Specialty Group)**
- Room: 307 - Washington State Convention Center, Level 3 (Paper Session)
- ORGANIZER(S): Peter V. Hall, Simon Fraser University; Markus Hesse, University of Luxembourg
- CHAIR(S): Peter V. Hall, Simon Fraser University
- 12:40 Laetitia Dablanc, PhD*, INRETS; Antoine Fremont, PhD, INRETS, *Cities and freight flows: the case of Paris and the Paris region*.
- 1:00 Juan David De Lara*, University of Southern California, *Commodity Flows and the Production of Metropolitan Inequality: The Case of Southern California*.

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- 1:20** Theresa Erin Enright*, Department of Politics, University of California, Santa Cruz, *Moving through Grand Paris: Transportation, Connectivity and Banlieue Politics*.
 Introducer: Peter V. Hall
 Discussant(s): Markus Hesse, University of Luxembourg
- 4431. Climate Networks, Regional Climates, Modeling, and Variability (Sponsored by Climate Specialty Group)**
Room: 308 - Washington State Convention Center, Level 3
 (Paper Session)
 ORGANIZER(S): Mark D. Schwartz, University Of Wisconsin - Milwaukee
 CHAIR(S): Michael Slattery, Texas Christian University
12:40 Adam B Cinderich*, Michigan State University; Sharon Zhong, Michigan State University; Perdinan, Michigan State University; Lifeng Luo, Michigan State University, *An Assessment of Regional Climate Model Performance Over the Great Lakes Region*.
1:00 Jacqueline J. Shinker*, University of Wyoming, *Spatial heterogeneity of Western U.S. climate variability*.
1:20 Michael Slattery*, Texas Christian University, *Mercury deposition and watershed contamination in Texas, Louisiana, Arkansas and Oklahoma: Using NOAA's HYSPLIT (HYbrid Single-Particle Lagrangian Integrated Trajectory) model to construct long-term trajectories and plumes from coal-fired power plants*.
- 4433. Retail and Service Geography I (Sponsored by Business Geography Specialty Group)**
Room: 310 - Washington State Convention Center, Level 3
 (Paper Session)
 ORGANIZER(S): Tony Hernandez, Ryerson University
 CHAIR(S): Tony Hernandez, Ryerson University
 Introducer: Tony Hernandez
12:40 Stephen Swales*, Ryerson University, *The Greying of the Canadian Market*.
1:00 Bill Dwan*, Dublin Institute of Technology, *Demand Threshold Analysis: An Application to Market Towns in Ireland*.
1:20 Zhixi Cecilia Zhuang, Dr*, School of Urban & Regional Planning, Ryerson University; Paul Du, Centre for the Study of Commercial Study, Ryerson University; Tony Hernandez, Dr, Centre for the Study of Commercial Study, Department of Geography, Ryerson University, *Emerging Suburban Ethnic Retail in the Greater Toronto Area*.
1:40 Lawrence Joseph*, Arizona State University, *National Level Analysis of 50 Major U.S. Domestic Retailers*.
2:00 Kevin Russell Krivacsy*, University of Tennessee, *Retail Market Area Analysis Using a Transportation Network with Consideration of Population Mobility*.
- 4434. A Discussion with Climate Change Professionals and Activists in Seattle, Washington (Sponsored by Political Geography Specialty Group, Cultural and Political Ecology Specialty Group, Climate Specialty Group)**
Room: 3A - Washington State Convention Center, Level 3
 (Panel Session)
 ORGANIZER(S): Jennifer L. Rice, The Ohio State University; Brandon Derman, University of Washington
 CHAIR(S): Jennifer L. Rice, The Ohio State University
 Panelists: Richard S. Conlin, Seattle City Council; Paul Fleming, Seattle Public Utilities; John Mauro, Cascade Bicycle Club; Phil Mitchell, Larkwire and Bikewise; Jill Simmons, City of Seattle Office of Sustainability and the Environment
- 4435. The Carbon Economy Revisited: Exploring political economy, governance and development in the Carbon Market (III - Non-nation state actors and governance in the carbon market) (Sponsored by Cultural and Political Ecology Specialty Group)**
Room: 3B - Washington State Convention Center, Level 3
 (Paper Session)
 ORGANIZER(S): Adam Bumpus, ISIS: Sauder School of Business, University of British Columbia; Tracey Osborne, University of Arizona
 CHAIR(S): Tracey Osborne, University of Arizona
12:40 Barbara Haya*, University of California at Berkeley, *Concrete emissions reductions in Shandong's cement sector: design options for a sectoral crediting program*.
12:58 John Cole*, University of Oxford, *Neo-regulatory Impact of Corporate Sustainability Programs in Brazilian CDM Project Governance*.
1:16 Hannah Gosnell*, Oregon State University, *Can Carbon Markets Facilitate a Sustainability Transition on Ranchlands in the American West? Limitations and Alternatives*.
1:34 Sonja Klinsky*, University of British Columbia, *Envisioning Justice in the Western Climate Initiative Cap and Trade System*.
1:52 Diana M. Liverman*, University Of Oxford, *Informing America's Climate Choices: theoretical reflections*.
- 4436. The Politics of Meat Production and Consumption I (Sponsored by Political Geography Specialty Group, Animal Geography Specialty Group)**
Room: 201 - Washington State Convention Center, Level 2
 (Paper Session)
 ORGANIZER(S): Harvey Neo, National University of Singapore; Jacque (Jody) L. Emel, Clark University
 CHAIR(S): Harvey Neo, National University of Singapore
12:40 Ian MacLachlan*, University Of Lethbridge, *Issues in the International Livestock Trade*.
1:00 Kevin Romig*, Texas State University, *Changes in US Beef Production and Consumption: Evidence from the Southern Great Plains*.
1:20 Shawn Van Ausdal*, Universidad de los Andes, *Theorizing the place of cattle in the expansion of ranching and the dynamics agrarian change in Colombia's Caribbean coastal plains, 1850-1950*.
1:40 Kin-Wing (Ray) Chan*, University of Calgary, *Governmentality, Political Ecology and Pig Farming Practice in Hong Kong*.
2:00 Jonathan L. Clark, J.D., Ph.D.*, Ursinus College, *Embodying Capitalism's Ecological Contradictions: The Case of the Enviropig?*.
- 4437. The Decolonization of Diet: Examining Health and Food Practices 1 (Sponsored by Indigenous Peoples Specialty Group)**
Room: 202 - Washington State Convention Center, Level 2
 (Paper Session)
 ORGANIZER(S): Jessica Hayes-Conroy, Pennsylvania State University; Kathryn J. Besio, University of Hawaii-Hilo
 CHAIR(S): Jessica Hayes-Conroy, Pennsylvania State University
12:40 Claudia Serrato, M.A.*, *Decolonial Food For Thought, Indigeneity and Eco-Foodways*.
1:00 Kristina Gibson*, University Of Connecticut; Sarah Dempsey, University of North Carolina - Chapel Hill, *Make Good Choices, Kid: Scalar Discourses and Ideologies of Choice on Jamie Oliver's Food Revolution*.
1:20 Jessica Hayes-Conroy*, Wheaton College, *Culturally Appropriate Appropriation?: Decolonization, Nutrition*

FRIDAY, APRIL 15 • 12:40 PM - 2:20 PM • 4400*Intervention, and the Material Body.*

1:40 Kathryn J. Besio*, University of Hawaii-Hilo, *Grow 'em, Catch 'em, Eat 'em: Post-colonial foodscapes in Hawai'i.*

Discussant(s): Lynda Johnston, university of waikato

4438. Recreation, Sport and Identity (Sponsored by Recreation, Tourism, and Sport Specialty Group)

Room: 203 - Washington State Convention Center, Level 2

(Paper Session)

ORGANIZER(S): Jillian Rickly-Boyd

CHAIR(S): Jillian Rickly-Boyd

12:40 Thomas Loder, M.A. Student*, University of Kentucky, *Building Big Lex: Myth and Ruralism in Lexington, Kentucky.*

1:00 Emily Duda*, University of Texas at Austin, *Sports and the City: The Pittsburgh Steelers and the Production of Identity.*

1:20 Christina Maria West*, University of Mannheim, *Streetfootball - more than just a game.*

1:40 Jillian Rickly-Boyd*, Indiana University, *Dirtbags of Appalachia: Finding Self through the Transient Pursuit of Rock Climbing.*

Discussant(s): Nicholas Wise, Kent State University

4439. Cities & Synecdoche I (Sponsored by Urban Geography Specialty Group, Communication Geography Specialty Group)

Room: 204 - Washington State Convention Center, Level 2

(Paper Session)

ORGANIZER(S): Alec Brownlow, DePaul University

CHAIR(S): Alec Brownlow, DePaul University

12:40 Cian O' Callaghan*, NIRSA, NUI Maynooth; Delphine Ancien, NIRSA, NUI Maynooth, *Creative city synecdoche: Place-marketing and praxis in Dublin, Ireland.*

12:55 Ann Dale, PhD, Royal Roads University; Lenore Lauri Newman, PhD*, Royal Roads University, *How Green is my City: Sustainability Rankings and Environmental Justice.*

1:10 Alec Brownlow*, DePaul University, *Security through Synecdoche: Contrasts and Contradictions in the Nation's 'Safest City'.*

1:25 Richa Dhanju*, Texas A&M University, *Systematic Synecdoche: Delhi and the Making of a World Class 'Inclusive' City.*

4440. Political Ecology of Land Tenure I: Community and Heritage in Claims of Ownership (Sponsored by Cultural and Political Ecology Specialty Group, Landscape Specialty Group, Cultural Geography Specialty Group)

Room: 205 - Washington State Convention Center, Level 2

(Paper Session)

ORGANIZER(S): Brian Grabbatin, University of Kentucky; Timothy Brock, University of Kentucky

CHAIR(S): Timothy Brock, University of Kentucky

12:40 Christopher W. Post*, Kent State University at Stark, *Preserving Heritage in the Exurbanizing American West.*

1:00 Brian Grabbatin*, University of Kentucky, Political Ecology Working Group, *Revaluing the Land: Heritage, Family, and Property in Wigfall v. Mobley et al..*

1:20 Susannah Bunce*, University of Toronto, *Urban Community Land Trusts: Organizing for Community-based Land Ownership in Cities.*

1:40 Elizabeth C. Fairley*, University of Minnesota, *In Pursuit of Flexible, Decentralized Land Administration in Tanzania: Challenges in Village Boundary*

Demarcation..

Discussant(s): Patrick T. Hurley, Ursinus College

4441. Burning for Sustainability: Cooking and Space Heating with Biomass (Sponsored by Cultural and Political Ecology Specialty Group, Health and Medical Geography Specialty Group, Energy and Environment Specialty Group)

Room: 206 - Washington State Convention Center, Level 2

(Panel Session)

ORGANIZER(S): Matthew John Taylor, University Of Denver

CHAIR(S): Matthew John Taylor, University Of Denver

Introducer: Matthew John Taylor

Panelists: Kathryn Pratt, University of Minnesota; J Anthony Abbott, Stetson University; Gregory Simon, University of Colorado Denver; Shaunna Barnhart; Kayje Booker, University of California Berkeley

4442. The Politics of Expectations: Nature, Culture, and the Production of Space I (Sponsored by Socialist and Critical Geography Specialty Group)

Room: 211 - Washington State Convention Center, Level 2

(Paper Session)

ORGANIZER(S): James Porter; Samuel Randalls

CHAIR(S): James Porter

12:40 Samuel Randalls*, University College London; Gillian Petrokofsky, University of Oxford, *Saws, sonar and submersibles: expectations off for underwater logging.*

1:00 Rebecca Lave*, Indiana University Dept of Geography, *Freedom and Constraint: embracing contradiction in the stream restoration field.*

1:20 Federico Caprotti*, University of Plymouth, *Geographies of concepts: producing and performing the cleantech sector, 1990-2010.*

1:40 Kimberley Kinder*, Department of Geography, *"Making Nature": Urban expansion as wetland restoration in Amsterdam.*

2:00 Liza Griffin*, University Of Westminster, *Making Communities Resilient & Sustainable: Space, Environmental Politics & Power.*

4443. Eating in the City: Restaurants, Cuisines, and Taste (Sponsored by Urban Geography Specialty Group)

Room: 212 - Washington State Convention Center, Level 2

(Paper Session)

ORGANIZER(S): Julie Cidell, University of Illinois

CHAIR(S): Jennifer Goldstein, University of California, Los Angeles

12:40 James Baginski*, Ohio State University, *Columbus Restaurants Online: Using Google Maps and Facebook to Interpret User Interaction in the Local Restaurant Scene.*

1:00 Michael Minn*, The University of Illinois, *The Geography of Chinese Restaurants in New York City.*

1:20 Shoko Imai*, University of Tokyo, *Transnational Geography of Japanese Food: Nobu's Food and Authenticity.*

1:40 Jeffrey T. Goodlander*, University of Cincinnati, *The times they are a-changin': Hyperreality, spectacle, and the response to urban crisis in Cincinnati's Findlay Market.*

2:00 Jenny Elaine Goldstein*, University of California, Los Angeles, *What Tastes Good? The Role of Wholesale Distributors in Determining Fresh Produce Quality.*

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- 4444. Ongoing research in post-Soviet Georgia 1: Internally displaced persons, local communities and human rights (Sponsored by Russian, Central Eurasian, and East European Specialty Group)**
Room: 213 - Washington State Convention Center, Level 2
(Paper Session)
ORGANIZER(S): Jessica K. Graybill, Colgate University
CHAIR(S): Jessica K. Graybill, Colgate University
12:40 Giorgi Gogsadze*, Tbilisi State University, *August 2008 Russia-Georgia war: the tilting scales of geopolitics.*
1:00 Julien Zarifian*, French Institute of Geopolitics, University Paris 8, *The South Caucasus: A New Field for the U.S. Foreign Policy.*
1:20 Beth Mitchneck*, University of Arizona, *The Everyday Collective Economy and Displacement: the case of the Republic of Georgia.*
1:40 Olga L. Medvedkov*, Wittenberg University; Joseph Salukvadze, professor, Tbilisi State University; David Gogishvili, Graduate Student, Tbilisi State University; David Sichinave, Graduate Student, Tbilisi State University, *Internally Displaced Persons (IDPs) in Tbilisi: a geo-spatial portrait.*
Discussant(s): Jessica K. Graybill, Colgate University
- 4445. Global Perspectives on HIV/AIDS (Sponsored by Health and Medical Geography Specialty Group)**
Room: 214 - Washington State Convention Center, Level 2
(Paper Session)
ORGANIZER(S): Joseph R Oppong, University of North Texas
CHAIR(S): Chetan Tiwari, University of North Texas
12:40 Stephanie Heald*, *Spatial Analysis of HIV/AIDS Survival Rates in Texas.*
1:00 Mara Hedrich*, University of North Texas, *Characteristics of HIV Incidence for Adult Males 50 and Older in Texas Zip Codes.*
1:20 Renata C Ponte, M.A. Candidate*, University of Texas at Austin, *What is the Relationship between Droughts Severity and HIV/AIDS Rates? - Case Study: Ceará, Northeastern Brazil.*
- 4446. Taking matters into third hands: intermediaries and the organization of the creative economy. 2. Urban hierarchies (Sponsored by Urban Geography Specialty Group, Cultural Geography Specialty Group, Economic Geography Specialty Group)**
Room: 2A - Washington State Convention Center, Level 2
(Paper Session)
ORGANIZER(S): Doreen Jakob, UNC Chapel Hill / Center for Metropolitan Studies Berlin; Bas Van Heur, Maastricht University
CHAIR(S): Doreen Jakob, UNC Chapel Hill / Center for Metropolitan Studies Berlin
12:40 Elizabeth Currid-Halkett*, University of Southern California; Allen Scott, UCLA, *The Geography of Celebrity and Glamour: Economy, Culture and Desire in the City.*
1:00 Robert Kloosterman, Professor*, AISSR/University of Amsterdam; Mariangela Lavanga, Dr, AISSR/ Universiteit van Amsterdam, *Global Urban Hierarchies and Cultural Industries. A Comparison of the Development of Cultural Industries in Amsterdam, Genoa, London, Los Angeles, Milan, New York, and Zurich, 1900-2000.*
1:20 Dominic J. Power*, Uppsala University; Mark Lorenzen, Copenhagen Business School, *Trusty Places and Quality-Based Competition: The Geographies of Cultural-Product Origins and Outlets.*
1:40 Bas van Heur*, Maastricht University, *Mapping the Geographies of Policy Change: Creative Industries in the Netherlands.*
- 4447. Population, Migration, & Movement**
Room: 2B - Washington State Convention Center, Level 2
(Illustrated Paper Session)
ORGANIZER(S): Program Committee
CHAIR(S): Edwin Butterworth, CICI International
12:40 Amanda Casares*, Binghamton University, *Disparities in SES between Native-Born and Foreign-Born Blacks in Paterson, New Jersey, 1990-2008.*
12:50 Justyna Goworowska*, U.S. Census Bureau; Thomas Fischetti, U.S. Census Bureau, *The Making of the Population Distribution Atlas: Designing the First Page Pair.*
1:00 Steven J. Rainey, Ph.D.*, McNeese State University, *Creating the Coughatta Migration History Map.*
1:10 John Nicholas Stoerner*, Kennesaw State University; Vanessa Slinger-Friedman, Ph.D., Kennesaw State University; Nancy Hoalst-Pullen, Ph.D., Kennesaw State University; Harold R Trendell, Ph.D., Kennesaw State University, *Latino Entrepreneurship in the Southern U.S.*
1:20 Richard C. Daniels, GISP*, Washington State Department of Transportation, *The Silent Invasion of America: Myth or Reality?.*
1:30 Suzanne Withers*, University of Washington, *Asymmetries of Accumulation: The Tenuous Meniscus of Housing Wealth across the United States.*
1:40 Mizuki Kawabata*, The University of Tokyo, *Spatial Mismatch of Childcare Centers.*
1:50 Edwin Butterworth*, CICI International, *Do we have new passenger rail geographies in the Middle Atlantic States yet?.*
2:00 Eric M. Holder, *Predicting Conflict Through Demography - The Case of the IDP in South Africa*
- 4448. Author meet critics: Richey and Ponte's "Brand Aid: Shopping Well to Save the World" (Sponsored by Development Geographies Specialty Group, Economic Geography Specialty Group)**
Room: Cirrus Ballroom - Sheraton Hotel, Pike Tower, Thirty Fifth Floor
(Paper Session)
ORGANIZER(S): Roberta Hawkins, Clark University
CHAIR(S): James T. Murphy, Clark University
Panelists: Lisa Ann Richey, Roskilde University; Stefano Ponte, Danish Institute for International Studies; Richard A. Schroeder, Rutgers University; Susanne E. Freidberg, Dartmouth College; Daniel Brockington; Daniel Klooster, University of Redlands
- 4450. Roads and Paths - Building Networks by Land and Sky**
Room: Boren - Sheraton Hotel, Union Tower, Fourth Floor
(Paper Session)
ORGANIZER(S): Program Committee
CHAIR(S): Johan Håkansson, Dalarna university
12:40 Gary Li*, California State University - East Bay; Michael Loconte, City of Hayward, CA, *Analysis of American Indian Trails in S.F. East Bay.*
1:00 Lauren R. Pharr, MA*, Louisiana State University; Michael Avery, PhD, United States Department of Agriculture; Michael Leitner, PhD, Louisiana State University, *Vulture Spatial Ecology Explored through GIS, GPS and Satellite Telemetry.*
1:20 Lauren Kelley*, Florida State University; J Anthony Stallins, Associate Professor, Florida State University, *Emergence of Networks in the Reptile Pet Trade for the Hognose Snake (Heterodon spp.): Timing, Motivations, and their Spatial Embeddedness.*
1:40 Mona Kashiha*, Department of Geography and Earth Science, University of North Carolina at Charlotte; Jean-Claude Thill, Department of Geography and Earth Science, University of North Carolina at Charlotte, *Competition space in commodity flows bound for the United States: An approach combining choice behavior modeling and visualization.*

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2:00 Johan Håkansson*, Dalarna university; Kenneth Carling, Professor, Dalarna University; Mengjie Han, PhD Student, Dalarna University, *Methodological issues in applying Location Models on Rural areas.*

4451. Retired Geographers' Insights (Sponsored by Retired Geographers Affinity Group)

Room: Columbia - Sheraton Hotel, Union Tower, Fourth Floor (Paper Session)

ORGANIZER(S): Christine Drake, Old Dominion University
CHAIR(S): Christine Drake, Old Dominion University
12:40 Christine Drake*, Old Dominion University, *Singapore: Why So Rich? Secrets to its Success.*

1:00 Stephen W. Tweedie*, Oklahoma State University, *Cohousing in the USA.*

1:20 Dorothy Drummond*, Indiana State University, *Sacred Space, Contested Space: Three Recent Examples.*

4452. Navigating the Geographies of Food III (Sponsored by Political Geography Specialty Group, Cultural and Political Ecology Specialty Group, Rural Geography Specialty Group)

Room: Jefferson - Sheraton Hotel, Union Tower, Fourth Floor (Paper Session)

ORGANIZER(S): Kathryn Morrison, University of Victoria; Garrett Graddy, University of Kentucky

CHAIR(S): Gina K. Thornburg, Kansas State University

12:40 Sarah E.L. Wakefield*, University Of Toronto, *Understanding Local Food Landscapes: Food Mapping in Working Class Communities.*

1:00 Vincent Zubedaar Z Kuire*, University of Western Ontario; Isaac Luginaah, PhD, University of Western Ontario; Godwin Arku, PhD, University of Western Ontario, *Migration and Food Remittance - A Strategy for Ensuring Household Food Security in Ghana.*

1:20 Elietha Bocskei, RD*, University of Victoria, *The implications of mandatory food labeling on food systems.*

1:40 Jonathan Munetz*, University of Wisconsin-Madison, *Consuming Place: Food, Locale, and Assimilation in Montpellier, France.*

4454. The migrant as agent of development (Sponsored by Latin America Specialty Group)

Room: Pike - Sheraton Hotel, Union Tower, Fourth Floor (Paper Session)

ORGANIZER(S): Jonathan Burkham

CHAIR(S): Jonathan Burkham
12:40 James Wiley, Dr. *, Hofstra University, *Emigration as a Development Path: the Filipino model.*

1:00 Jason Davis*, U.C. Santa Barbara; David Lopez-Carr, U.C. Santa Barbara, *The Effects of Migrant Remittances on Population-Environment Dynamics.*

1:20 Gisela P Zapata*, Newcastle University, *La casa de mis sueños: Colombian migrants as new financial subjects at home and abroad.*

1:40 Claudia Radel, Utah State University; Nora Haenn, North Carolina State University; Birgit Schmoock*, ECOSUR - El Colegio de la Frontera Sur, *Presaging Vulnerability in a Migration-Sending Region: An Analysis of the Provenance of Household Assets in Southern Mexico.*

2:00 Jonathan Mann Burkham*, University of Wisconsin-Milwaukee, *"We're going to be the next Tlajomulco:" the shifting dynamics of the household economy in a Mexican migrant sending community.*

4456. Economic and Cultural

Room: Seneca - Sheraton Hotel, Union Tower, Fourth Floor

(Interactive Short Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Lora C Dixon

12:40 James Henry Barton, DA*, Thiel College, *The Expansion of Amish Households in Mercer County, Pennsylvania.*

12:45 Georgia Lindsay, PhD Candidate*, University of California, Berkeley, *Museums in the City: The Denver Art Museum as a Case Study.*

12:50 Janaina Mourão Freire, Ms*, Universidade de Brasília, *The Myth and the Cultural Geography.*

12:55 Travis Henschen*, University of Richmond, *Middle East Mapping Initiative at Richmond.*

1:00 Suman Sao*, University of North Bengal; Kanti Paul, Kalipada Ghosh Tarai Mahavidyalaya, Bagdogra, *Strategies For The Development Of Household Industries: Case Study Of Bamboo Craft In Darjeeling District, India.*

1:05 Autumn C James*, UNC-Charlotte, *Cultural Stereotypes and the Destructive Effects on Appalachia.*

1:10 Maïke Brammer*, Humboldt University Berlin, *Microenterprises in Berlin's cultural and creative industries-Networks and Spatial Behavior.*

1:15 Elena Givental, Ph.D.*, Berkeley City College, *Plugging into Globalization in Vietnam: The Insider's Viewpoint.*

1:20 Michelle J Brym*, the University of Central Oklahoma, *New Trends in Labor Mobility within the European Union: Factors that Influence Individual Decisions to Emigrate, to Return or to Re-Emigrate.*

1:25 Martha Geores, PhD*, University of Maryland, *Does transnational migration turn into assimilation.*

1:30 Lora C Dixon*, Everett Community College, *A Survey and Assessment of Social Networking on a New Era of Politics.*

1:35 William Warren Munroe, MA Geography*, *Population Fluctuations: Space-Time Representation for Decision Making.*

4458. Gender and Sexuality in Lived Religion: session one (Sponsored by Geography of Religions and Belief Systems Specialty Group)

Room: University - Sheraton Hotel, Union Tower, Fourth Floor (Paper Session)

ORGANIZER(S): Elizabeth A. Olson, University of Edinburgh; Peter E Hopkins, Newcastle University, UK

CHAIR(S): Elizabeth A. Olson, University of Edinburgh

12:40 Chad Emmett*, Brigham Young University, *Taking Control: How women in the Islamic World are working to improve their status and bring about change from within their own religious traditions..*

1:00 Shankari Patel*, University of California Riverside, *Moving Through Subaltern Spaces: Religious Practice and Gender Ideologies in Postclassic Yucatan.*

Discussant(s): Peter E Hopkins, Newcastle University, UK

4459. The underappreciated mode: Bicycling as transportation (Sponsored by Transportation Geography Specialty Group)

Room: Virginia - Sheraton Hotel, Union Tower, Fourth Floor (Paper Session)

ORGANIZER(S): Julie Cidell, University of Illinois

CHAIR(S): Greg Rybarczyk, University of Michigan-Flint

12:40 Rebekah S Dommel*, Northeastern Illinois University, *Differences in knowledge of bicycle ordinances among cyclists, motorists, and pedestrians: A Chicago case study.*

1:00 Greg Rybarczyk, Ph.D.*, University of Michigan-Flint, *Supporting Visual Cues to Assess Bicycle Mobility.*

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- 1:20** Gregg Culver, Ph.D. student*, University of Wisconsin-Milwaukee, Department of Geography, *Rust Belt Bikelivism: Social Movement Organizations in the Development of Bicycle Transport in Cleveland and Pittsburgh.*
- 1:40** Ainsley Judge*, Macalester College, *Designing More Inclusive Streets: the Bicycle, Gender, and Infrastructure.*
- 2:00** H. Jason Combs*, University of Nebraska-Kearney; Paul Burger, University of Nebraska-Kearney, *Using GIScience to Examine Elementary School Transportation Patterns.*
- 4461. Race and Space 1: The Politics of the Racial Economy**
Room: Ballard - Sheraton Hotel, Pike Tower, Third Floor
 (Paper Session)
 ORGANIZER(S): Kate Derickson, University of Glasgow; Rachel Brahinsky, University of California - Berkeley
 CHAIR(S): Anne Bonds, University of Wisconsin, Milwaukee
12:40 Jamie Winders*, Syracuse University; Richard Schein, University of Kentucky, *Race and Space in the 21st Century: What have we learned?.*
1:00 Rachel Brahinsky*, University of California - Berkeley, *Still haunted by the '60s: The remaking of race-space redevelopment politics in San Francisco.*
1:20 Kendra Strauss, DPhil*, University of Glasgow, *Social reproduction and the racialization of unfree labor.*
1:40 Michelle Branch, Ph.D. Candidate, and J.D.*., History Department, University of California, Berkeley, *The Marginalized Create an Enduring Institution: The Story of Street Vending in Antebellum New York City.*
 Discussant(s): David Wilson, University Of Illinois
- 4464. The politics of a different city: change beyond consensus? (Session 1 - Theorizing the urban political)**
Room: Fremont - Sheraton Hotel, Union Tower, Third Floor
 (Paper Session)
 ORGANIZER(S): Mark Davidson, Clark University; Deborah G. Martin, Clark University
 CHAIR(S): Deborah G. Martin, Clark University
12:40 Nicholas Dahmann*, University of Southern California, *There is No Such Thing as "Post-politics": Rancière and the spaces of politics and the politics of space in Los Angeles' Skid Row.*
1:00 Thomas Doerfler*, University of Goettingen, *Post-political urbanity - Urban renewal in Hamburg-Wilhelmsburg.*
1:20 Mark Davidson*, Clark University; Kurt Iveson, School of Geosciences, University of Sydney, *Recovering the politics of the city.*
1:40 Robyn Dowling*, Macquarie University; Emma Power, University of Western Sydney; Pauline McGuirk, University of Newcastle, *Antagonisms, Convivialities and More-than-human Neighbouring in Sydney.*
 Discussant(s): Mark H. Purcell, University of Washington
- 4465. China: Energy & Environment I (Sponsored by China Specialty Group)**
Room: Greenwood - Sheraton Hotel, Union Tower, Third Floor
 (Paper Session)
 ORGANIZER(S): Piper Gaubatz, University Of Massachusetts
 CHAIR(S): Darrin Magee, Hobart & William Smith Colleges
12:40 Sebastian Philipps*, University of Cologne, *Bureaucratic Decision-Making in Urban China: The Use of Information on Energy Efficiency in Public Procurement.*
1:00 Darrin Magee, Ph.D.*, Hobart & William Smith Colleges, *Remapping China's Energy Geographies.*
- 1:20** Ma Li*, Institute of Geographical Sciences and Natural Resources Research, CAS, *Study on the factors Driving Chinese energy consumption change in past decade: the prisoner's dilemma of Chinese energy distribution.*
- 1:40** Thomas Hennig*, University of Marburg, Faculty of Geography, *Yunnan's (PR China) rapidly expanding small hydropower sector: Actors, conflicts, environmental impacts and socio-economic consequences.*
- 4466. Reframing Islandness III: Lived Experiences, Critical and Discursive Cartographies in Island Worlds (Sponsored by Political Geography Specialty Group, Qualitative Research Specialty Group, Cultural Geography Specialty Group)**
Room: Issaquah A - Sheraton Hotel, Union Tower, Third Floor
 (Paper Session)
 ORGANIZER(S): Joseph Palis, North Carolina State University; Elaine Stratford, University of Tasmania
 CHAIR(S): Lisa Marshall
12:40 April Avnayim*, U.S. Bureau Of the Census, *Census Bureau Place Definitions within American Samoa, Commonwealth of the Northern Mariana Islands, Guam, and the U.S. Virgin Islands.*
1:00 Soyini A Ashby*, University of the West Indies - Mona, *The "Tropical Man": Tropes of Tropicality in Discourses of Self-Definition in the Greater Caribbean.*
1:20 Aija Lulle*, University of Latvia, *Time, space and making of self in geographical mobility: case of Latvians in Guernsey.*
1:40 Adam Bledsoe*, University of North Carolina at Chapel Hill, *Influences on Local Knowledges: Development in the Dominican Republic.*
 Discussant(s): Yousuf Mussa Al-Bulushi, UNC-Chapel Hill Department of Geography
- 4467. Land-Use Change and Ecosystem Services (Sponsored by Human Dimensions of Global Change Specialty Group)**
Room: Issaquah B - Sheraton Hotel, Union Tower, Third Floor
 (Paper Session)
 ORGANIZER(S): Emily E. Atkinson, University of Wisconsin - Madison; Michael Perkins, Indiana University
 CHAIR(S): Emily E. Atkinson, University of Wisconsin - Madison
12:40 William Morris*, University of Vermont, Dept. of Plant & Soil Science; Eulaila Ishee, University of Vermont, Dept. of Plant & Soil Science; Austin Troy, University of Vermont, Rubenstein School of Environment and Natural Resources, *Spatial Non-Stationarity in Global Patterns of Biodiversity: Mapping the Drivers of Terrestrial Species Richness.*
1:00 Michael Perkins*, Indiana University, *Arbuscular mycorrhizal fungi diversity under different agroforestry systems: implications for ecosystem function and livelihoods in southern Mexico..*
1:20 Florencia Sangermano*, Clark Labs; James Toledano, Clark Labs; Ronald Eastman, Clark Labs, *Land change in the Bolivian Amazon: implications for REDD+ and Endemic Biodiversity.*
1:40 Mikaela Schmitt-Harsh*, School of Public and Environmental Affairs, Indiana University; Edwin Castellanos, Universidad del Valle de Guatemala, *Carbon dynamics and land-cover change in shade-grown coffee and tropical forest systems in Guatemala.*
2:00 Emily E. Atkinson*, University of Wisconsin - Madison; Erika Marin-Spiotta, PhD, University of Wisconsin - Madison; Sapna Sharma, PhD, University of Wisconsin - Madison, *Soil carbon and land-use change in the tropics: an updated meta-analysis.*

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- 4468. Standards and Geographic Education**
Room: *Kirkland - Sheraton Hotel, Union Tower, Third Floor*
(Paper Session)
ORGANIZER(S): Program Committee
CHAIR(S): Iain M. Hay, Flinders University
12:40 Siyoung Park*, Western Illinois University; Okkyong Yoon, Catholic University of Daegu; Jongnam Choi, Western Illinois University, *Public Knowledge and Perceptions about Korea by American Geography Educators.*
1:00 Gregory Martin*, University of Technology Sydney, *Making space for critical public pedagogies in the university.*
1:20 Oliver T. Coomes*, McGill University; Tim R. Moore, McGill University; Jaclyn Paterson, McGill University; Sébastien Breau, McGill University; Nancy Ross, McGill University; Nigel T. Roulet, McGill University, *Academic Performance Indicators for Departments of Geography in the U.S. and Canada.*
1:40 Iain M. Hay*, Flinders University, *Shaping Geography graduates' standards in Australian universities..*
- 4471. The shock of the poetic: critical dialogues with magical marxism (Sponsored by Socialist and Critical Geography Specialty Group)**
Room: *Metropolitan Ballroom A - Sheraton Hotel, Third Floor*
(Paper Session)
ORGANIZER(S): Mazen Labban, University of Miami
CHAIR(S): Mazen Labban, University of Miami
Introducer: Mazen Labban
Discussant(s): Nik Heynen, University of Georgia; Kanishka Goonewardena; Erik Swyngedouw, University of Manchester; Geoff Mann, Simon Fraser University; Kevin St. Martin, Rutgers University; Salvatore Engel-DiMauro, SUNY New Paltz; Ruth Wilson Gilmore, CUNY Graduate Center
Panelists: Andy Merrifield, none
- 4473. Geospatial Semantics and Ontology (Sponsored by Geographic Information Science and Systems Specialty Group)**
Room: *Queen Anne - Sheraton Hotel, Union Tower, Third Floor*
(Paper Session)
ORGANIZER(S): Nancy Wiegand, University of Wisconsin-Madison
CHAIR(S): Nancy Wiegand, University of Wisconsin-Madison
12:40 Robert Raskin*, Jet Propulsion Lab, *SWEET 3.0 Ontologies.*
1:00 Dalia Varanka*, United States Geological Survey, *Topographic Data for Semantic Technology.*
1:20 Nancy Wiegand, Dr.*, University of Wisconsin-Madison, *INTEROP Network to Support Geospatial Data Semantic Interoperability.*
1:40 Joshua Lieberman*, Deloitte FAS LLP, *A Reference Model for Geosemantic Standards.*
2:00 Will Smart*, Centre for eResearch, University of Auckland; Sina Masoud-Ansari, Centre for eResearch, University of Auckland; Brandon Whitehead, Centre for eResearch, University of Auckland; Tawan Banchuen, School of Environment, University of Auckland; Mark Gahegan, Centre for eResearch, University of Auckland, *SemDat: A web-based interactive, flexible translation service for classification systems and taxonomies.*
- 4474. International Perspectives on Immigration and Housing (Sponsored by Population Specialty Group, Water Resources Specialty Group, Ethnic Geography Specialty Group)**
Room: *Ravenna - Sheraton Hotel, Union Tower, Third Floor*
(Paper Session)
ORGANIZER(S): Carlos Teixeira, University of British Columbia Okanagan; Wei Li, Arizona State University
CHAIR(S): Thomas Sydney Carter
12:40 Carlos Teixeira*, University of British Columbia Okanagan, *The Housing Experiences of New Immigrants and Policy Recommendations for Affordable Housing in Central Okanagan, British Columbia.*
1:00 Bruce Newbold*, McMaster University, *Exploring the Links: Housing and Homelessness amongst Newcomers to Hamilton, Ontario.*
Discussant(s): Daniel Hiebert, UBC
- 4475. Disseminating Feminist Geographies within Postsecondary Education (Sponsored by Geographic Perspectives on Women Specialty Group, Geography Education Specialty Group)**
Room: *Wallingford - Sheraton Hotel, Union Tower, Third Floor*
(Paper Session)
ORGANIZER(S): Kelsey Hanrahan, University of Kentucky; Samantha Herr, University of Kentucky
CHAIR(S): Samantha Herr, University of Kentucky
Panelists: Kim England, University of Washington; Joni Seager, Bentley University; Sara H. Smith, University of North Carolina; Audrey L. Kobayashi, Queen's University
- 4476. Cognition, Behavior, and Representation II: Time-Space Visualization (Sponsored by Geographic Information Science and Systems Specialty Group, Space-Time Symposium, Environmental Perception and Behavioral Geography Specialty Group, Cartography Specialty Group)**
Room: *Aspen Room - Sheraton Hotel, Second Floor* (Paper Session)
ORGANIZER(S): Sarah Battersby, University of South Carolina; Kirk Goldsberry, Michigan State University
CHAIR(S): Scott Bell, University of Saskatchewan
12:40 Laurynas Gedminas*, East Carolina University; Thomas Allen, East Carolina University; Thomas Crawford, East Carolina University; Nick Murray, East Carolina University; Donna Kain, East Carolina University, *A Study of Hurricane Advisory Maps Using Eye-tracking and Biometric Measures.*
1:00 Sarah Battersby*, University of South Carolina, *Localized change metrics for dynamic maps.*
1:20 Elaine Guidero*, Pennsylvania State University; Robert E. Roth, Pennsylvania State University; Anthony C. Robinson, Pennsylvania State University; Alan MacEachren, Pennsylvania State University; Alexander C. Klippel, Pennsylvania State University, *Representing change in point symbols.*
1:40 Kirk Goldsberry*, Michigan State University; Carolyn Fish, Michigan State University, *Space-Time Legibility: Using Design to Mitigate Geovisual Failures.*
2:00 Sara Irina Fabrikant*, University of Zurich; Stacy Rebich Hespanha, University of California Santa Barbara; Daniel R. Montello, University of California Santa Barbara, *Assessing animated map displays for spatio-temporal inference making.*

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4477. Contributions of Spatiotemporal Analysis to Climate Research (Sponsored by Space-Time Symposium)

Room: Cedar Room - Sheraton Hotel, Second Floor (Paper Session)
ORGANIZER(S): Space-Time Symposium Organizing Committee

CHAIR(S): James Bothwell, University of Oklahoma

12:40 Colleen Garrity*, SUNY-Geneseo; Elizabeth A. Wentz, Arizona State University, *Emergence of GIS in spatio-temporal climate research.*

1:00 Benoit Parmentier*, Clark University; Neeti Neeti, Clark University; Ronald Eastman, Clark University, *Variability of global Sea Surface Temperature using Multichannel Empirical Orthogonal Teleconnection analysis.*

1:20 In-Young Yeo*, University of Maryland - College Park, *Climate changes, watershed processes, and decision making for adaptation.*

1:40 Emily E Perkins*, San Diego State University; Trent W Biggs, Ph.D., San Diego State University, *Spatial Patterns and Relationships Between Atmospheric Water Vapor and Irrigation in the Krishna River Basin.*

2:00 James Bothwell*, University of Oklahoma, *The Stochastic Uncertainty of a Spatiotemporal Framework Analysis of General Circulation Model Ensemble Output.*

4478. Space, Time, & Health I (Sponsored by Space-Time Symposium)

Room: Douglas Room - Sheraton Hotel, Second Floor (Paper Session)
ORGANIZER(S): Space-Time Symposium Organizing Committee

CHAIR(S): Pierre Goovaerts, BioMedware

12:40 Justin Holman*, TerraSeer, *Forecasting melanoma mortality in the U.S. in response to climate change.*

1:00 Li Yin*, State University of New York at Buffalo; Samina Raja; James Roemmich; Leonard Epstein; Hao Huang, *Built Environment and Physical Activity: Assessing Accessibility in Space-Time Neighborhoods.*

1:20 Jimmy Kroon*, Pennsylvania State University; Frank Hardisty, M.A., Ph.D., Pennsylvania State University, *Spatio-Temporal Cluster Detection Using AMOEBA.*

1:40 Eric M. Delmelle*, UNC-Charlotte; Irene Casas, Louisiana Tech University; Jorge H Rojas, Epidemiólogo del Grupo de Epidemiología y Salud Pública de la Secretaría de Salud Pública Municipal (SSPM), Santiago de Cali, Colombia; Alejandro Varela, Secretario de Salud Pública Municipal, Santiago de Cali, Colombia, *Modeling the Risk of Dengue Fever in Relation to its Habitat: an application for Disaggregated Cases in Cali, Colombia.*

2:00 Pierre Goovaerts*, BioMedware, *Visualizing the Impact of Time, Place, and Race on Late-Stage Cancer Incidence.*

4480. Geographer- artists: creative practice as research tool? 2: Audiencing (Sponsored by Qualitative Research Specialty Group)

Room: Grand Ballroom B - Sheraton Hotel, Second Floor (Paper Session)

ORGANIZER(S): Harriet Hawkins; Phil Jones, University of Birmingham

CHAIR(S): Phil Jones, University of Birmingham

12:40 Marie Cieri, Critic*, Rhode Island School of Design, *Artists, in Context.*

1:00 Angela Last*, The Open University, *Complicated Curves - Agentive matter and creative practice.*

1:20 Stephanie Merchant*, University of Exeter, *Visual Methods and the Submarine Sensorium: exploring the potential for videography and audiencing in research on the body and the senses.*

1:40 Saskia A Warren, BA, MA*, Uni of Sheffield, *Between the scenes at Yorkshire Sculpture Park, England.*

2:00 James Riding*, University of Exeter, *Literary Hitchhiking.*

4481. Theorist Pot-Luck / BYOT (Bring Your Own Thinker)

Room: Grand Ballroom C - Sheraton Hotel, Second Floor

(Panel Session)

ORGANIZER(S): Matthew G. Hannah, Aberystwyth University; Benedikt Korf, University of Zurich

CHAIR(S): Matthew G. Hannah, Aberystwyth University

Panelists: Jean Lavigne, College of St. Benedict/St. John's University; Rosie Cox; Lauren Martin, University of Kentucky; Jochen F. Mayer, Institute of Geography, University of Edinburgh; Ebru Ustundag, Brock University; Jamison Miller, Simon Fraser University

4482. Classics in Human Geography

Room: Grand Ballroom D - Sheraton Hotel, Second Floor

(Panel Session)

ORGANIZER(S): Christian Abrahamsson, Wageningen University; Innes M. Keighren, Royal Holloway, University of London

CHAIR(S): Veronica Della Dora, University of Bristol

Panelists: Charles W.J. Withers, University of Edinburgh; Janice Monk, University of Arizona; Avril Maddrell; Richard H. Schein, University Of Kentucky; John A. Agnew, University of California - Los Angeles

4483. Critical Geographic Theories of Public Education's Problems and Struggles 1 (Sponsored by Graduate Student Affinity Group, Socialist and Critical Geography Specialty Group)

Room: Juniper Room - Sheraton Hotel, Second Floor (Panel Session)

ORGANIZER(S): Christopher Riley, Ohio State University - Geography; Eli Meyerhoff, University of Minnesota

CHAIR(S): Eli Meyerhoff, University of Minnesota

Discussant(s): Eli Meyerhoff, University of Minnesota

Panelists: Christopher Riley, Ohio State University - Geography; Adam Parrillo, University of Wisconsin - Green Bay; Melissa R. Gilbert, Temple University; Christopher Lizotte, University of Washington

4484. Seeking Sustainable Consumption

Room: Madrona Room - Sheraton Hotel, Second Floor (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Henry Way, James Madison University

12:40 Mary J Lavelle, BA, MA*, NUI, Galway; Frances Fahy, Dr, NUI, Galway, *Exploring the barriers and motivations for sustainable lifestyles; a case study from Ireland.*

1:00 Steven Shannon*, University of Texas Austin, *Socio-technical Transitions in Energy Technologies: The Case of Solar Water Heaters in Oaxaca, Mexico.*

1:20 Emer M Henderson, B.A, Research Student.*, National University of Ireland, Galway, Department of Geography, *Unpacking householders' understandings of energy efficiency.*

1:40 Frances Fahy*, National University of Ireland, Galway; Jessica Pape, TCD, Dublin; Henrike Rau, National University of Ireland, Galway; Anna Davies, TCD, Dublin, *ConsEnSus - Consumption, Environment and Sustainability: Exploring Policies and Instruments for Sustainable Household Consumption in Ireland.*

2:00 Henry Way*, James Madison University, *Localism and Scale in the Progress of New Energy Projects.*

FRIDAY, APRIL 15 • 12:40 PM - 2:20 PM • 4400**4486. Perspectives on Complex Spatio-Temporal Systems [1]: Agent-Based Modeling (Sponsored by Geographic Information Science and Systems Specialty Group, Space-Time Symposium, Human Dimensions of Global Change Specialty Group, Spatial Analysis and Modeling Specialty Group)**

Room: Willow A - Sheraton Hotel, Second Floor (Paper Session)

ORGANIZER(S): Suzana Dragicevic, Simon Fraser University;

Arika Ligmann-Zielinska, Michigan State University

CHAIR(S): Suzana Dragicevic, Simon Fraser University

12:40 Derek Robinson*, University of Edinburgh; Dave Murray-Rust, Ph.D., University of Edinburgh, School of GeoSciences; Verena Rieser, Ph.D., University of Edinburgh, School of GeoSciences; Mark Rounsevell, Ph.D., University of Edinburgh, School of GeoSciences; Vesna Milicic, University of Ljubljana, *Estimating the impacts of land-use change on human well-being and the provision of ecosystem services.*

1:00 Danielle J. Marceau*, University of Calgary; Michael Kieser, Department of Geomatics Engineering, University of Calgary, *Simulation of a land development planning process using an agent-based model.*

1:20 Christopher Bone, PhD*, Canadian Forest Services; Mike Wulder, PhD, Canadian Forest Service, *Aggregating Agents: A possible solution for overcoming computation limits with agent-based modeling for ecological applications?.*

1:40 Shipeng Sun*, University of Waterloo, Canada, *Balancing model specificity and code generality in complexity model development.*

2:00 Arika Ligmann-Zielinska*, Michigan State University; Nicholas Molen, Michigan State University, *Spatiotemporal Sensitivity Analysis in Geographical Modeling: An Agent-Based Model Example.*

4487. Working Lunch (Sponsored by Space-Time Symposium, Harvard University Center for Geographic Analysis, Association of American Geographers)

Room: Willow B - Sheraton Hotel, Second Floor (Meeting Session)

ORGANIZER(S): Merrick Berman, China Historical GIS,

Harvard University

CHAIR(S): Peter Bol, Harvard University

FRIDAY, APRIL 15 • 2:40 PM - 4:20 PM • 4500**4503. Author Meets Critics: Daniel Deudney's "Bounding Power"**

Room: 603 - Washington State Convention Center, Level 6

(Panel Session)

ORGANIZER(S): John A. Agnew, University of California - Los Angeles

CHAIR(S): John A. Agnew, University of California - Los Angeles

Panelists: Mathew Coleman, Ohio State University; Alexander B. Murphy, University of Oregon; John A. Agnew, University of California - Los Angeles; Daniel Deudney, Department of Political Science

4504. Earth, Fire, and Water: Land-Use Change Effects on Biogeochemical Cycling II (Sponsored by Human Dimensions of Global Change Specialty Group, Biogeography Specialty Group, Water Resources Specialty Group)

Room: 604 - Washington State Convention Center, Level 6 (Paper Session)

ORGANIZER(S): Kathleen A. Farley, San Diego State University; Alexandra G. Ponette-González, University of Texas at Austin

CHAIR(S): Kathleen A. Farley, San Diego State University

2:40 Kendra McLauchlan*, Kansas State University; Joseph Craine, Kansas State University, *Species-specific Trajectories of Nitrogen Isotopes in Indiana Hardwood Forests.*

3:00 Lindsay Deel*, West Virginia University; Philip A. Townsend, Ph.D., University of Wisconsin - Madison; Shawn P. Serbin, University of Wisconsin - Madison; Aditya Singh, University of Wisconsin - Madison; Keith N. Eshleman, Ph.D., Appalachian Laboratory, University of Maryland Center for Environmental Science; Brenden E. McNeil, Ph.D., West Virginia University, *Assessing the cumulative impact of disturbance on canopy nitrogen.*

3:20 James Hartsig*, The University of Tennessee; Carol Harden, The University of Tennessee; Jaehoon Lee, The University of Tennessee; Kathleen Farley, San Diego State University; Leah Bremer, San Diego State University, *Land-Use Change Effects on Water in the Ecuadorian Andes.*

3:40 Jason Paul Julian*, University of Oklahoma, Geography Dept.; Robert H Gardner, PhD, Appalachian Lab, University of Maryland Center for Environmental Science, *Land Cover Influences on Watershed Runoff Patterns.*

4:00 Alexandra G. Ponette-González, Ph.D.*, University of North Texas/University of Texas at Austin; Lisa M. Curran, Ph.D., Stanford University, Yale School of Forestry and Environmental Studies; Kathleen C. Weathers, Ph.D., Cary Institute of Ecosystem Studies; Matt Fry, Ph.D., University of North Texas; Feifei Pan, Ph.D., University of North Texas, *Prioritizing Payments: Land Cover and Water Services in a Human-Modified Mexican Montane Watershed.*

4506. 2010 Disasters in Review: Reflections on Lessons Learned for Disaster Loss Reduction (Part 2) (Sponsored by Association of American Geographers, Hazards Specialty Group)

Room: 606 - Washington State Convention Center, Level 6 (Panel Session)

ORGANIZER(S): Deborah Thomas, University of Colorado Denver; Jean McKendry, Association of American Geographers

CHAIR(S): Jean McKendry, Association of American Geographers

Introducer: Jean McKendry

Panelists: John Freeman, University of South Florida; Melanie Gall, Louisiana State University; Deborah Thomas, University of Colorado Denver; James M Jeffers, Rutgers University; Joshua Comenetz, U.S. Census Bureau; Denise Blanchard-Boehm, Texas State University

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- 4507. Census Address List Development - Past, Present and Future**
Room: 607 - Washington State Convention Center, Level 6
(Paper Session)
ORGANIZER(S): Keith Moffett, US Census Bureau
CHAIR(S): Keith Moffett, US Census Bureau
Panelists: Andrea Johnson, U.S. Census Bureau; Keith Moffett, US Census Bureau; Karen Owens, U.S. Bureau Of the Census; Tanya Ziegenfuss, U.S. Bureau Of the Census
- 4508. Cultural Landscapes**
Room: 608 - Washington State Convention Center, Level 6
(Paper Session)
ORGANIZER(S): Program Committee
CHAIR(S): John Patrick Harty, University of Wyoming
2:40 Scott S. Brown, Ph.D.*, Francis Marion University, *Folk Houses in Argentina's Spanish Borderlands.*
3:00 Qiuyin Qi*, Jie Zhang, *The Structure of Experience on Calligraphic Landscape: A Case study of Guilin, China.*
3:20 JONG-HEON JIN*, Kongju National University, *Locating cultural geography of mountain in Korea.*
3:40 John Patrick Harty*, University of Wyoming, *Cultural Landscapes of the Lakota.*
- 4509. SAM Student Paper Session (Sponsored by Spatial Analysis and Modeling Specialty Group)**
Room: 609 - Washington State Convention Center, Level 6
(Paper Session)
ORGANIZER(S): Fang Qiu, University of Texas - Dallas
CHAIR(S): Yongwan Chun, The University of Texas at Dallas
2:40 Sweta Jinnagara Puttaswamy*, The University of Texas at Dallas, *An Exposition of Spatial Process Dynamics within Bounded Tessellations.*
3:00 Min Sun*, George Mason University; David Wong, George Mason University, *Using statistical difference as a criterion to map the American Community Survey (ACS) data.*
3:20 Shiguo Jiang*, The Ohio State University; Desheng Liu, The Ohio State University, *The Impact of Sampling Schemes on Identifying Error Propagation in Land Cover Change Detection.*
- 4511. Localizing the Region, Experiencing Geopolitics 2 (Sponsored by Political Geography Specialty Group, Middle East Specialty Group, European Specialty Group)**
Room: 611 - Washington State Convention Center, Level 6
(Paper Session)
ORGANIZER(S): Carl Thor Dahlman, Miami University; Amy Mills, University of South Carolina
CHAIR(S): Amy Mills, University of South Carolina
2:40 Carl Thor Dahlman*, Miami University, *A Not So Critical Geopolitics: Kosova's Vetëvendosje! Movement.*
3:00 Chris Courtheyn*, UNC Chapel Hill, *Spaces of Peace: Community Resistance to Displacement and Militarization in San José de Apartadó, Colombia.*
3:20 Suncana Laketa*, University of Arizona, *Beyond the Old Bridge: Geopolitics of Identity in Mostar, Bosnia and Herzegovina.*
Discussant(s): Jason Dittmer, University College London
- 4512. Towards a Critical Geography of Age I**
Room: 612 - Washington State Convention Center, Level 6
(Paper Session)
ORGANIZER(S): Nancy Worth, University of Leeds
CHAIR(S): Eleanor Wilkinson, University of Leeds
2:40 Hedi Viterbo*, The London School of Economics and Political Science, *The Rise (and Fall?) of Israeli Law's Spatially-Separate Palestinian Child.*
- 3:00** Tracey Skelton, PhD*, National University of Singapore, *"On the Education Treadmill" - Young People Narrate Experiences of 'Achievement Trajectories' in Auckland and Singapore.*
3:20 Nancy Worth*, University of Leeds, *The Geographies of Young Adulthood?.*
3:40 Kelsey Hanrahan*, University of Kentucky, *Interdependency and the Livelihood Strategies of the Elderly in Northern Ghana.*
Discussant(s): Susan Ruddick, University of Toronto
- 4514. Utilizing GOOGLE as a Classroom Instruction Tool (Sponsored by Community College Affinity Group)**
Room: 614 - Washington State Convention Center, Level 6
(Paper Session)
ORGANIZER(S): Kerry Lyste, Everett Community College
CHAIR(S): Kerry Lyste, Everett Community College
Discussant(s): Phillip Davis, GeoTech Center; Darrel Hess, City College of San Francisco; Ann Johnson, GeoTech Center; Tina Ornduff, Google, Inc; Charles Thomsen, American River College; Charles K Dodd, Shoreline Community College
- 4515. Authors and Editors: Envisioning Landscapes, Making Worlds: Geography and the Humanities**
Room: 615 - Washington State Convention Center, Level 6
(Paper Session)
ORGANIZER: James A. Ketchum, Association of American Geographers
CHAIR: Stephen Daniels, University of Nottingham
Panelists: Stephen Daniels, University of Nottingham; Dydia DeLyser, Louisiana State University; J. Nicholas Entrikin, University of Notre Dame; Douglas Richardson, Association of American Geographers
Author: David Lowenthal, University College, London
- 4516. Cultural - Political**
Room: 616 - Washington State Convention Center, Level 6
(Paper Session)
ORGANIZER(S): Program Committee
CHAIR(S): Adam Hantel, Georgetown University
2:40 Thomas M. Schmitt, PD Dr.*, Max Planck Institute for the Study of Religious and Ethnic Diversity, Goettingen, *The political and cultural geography of World Heritage.*
3:00 Julia Maxted, D.Phil*, Canterbury Christ Church University; Gerard Pigeon, University of California, Santa Barbara, *Etched in Black: African characters in French comic strip literature for children: 1870 - 1930.*
3:20 Amiram Gonen, Professor*, Non-Member, *Identity and the Choice of Burial Place.*
3:40 Adam Maxlind Hantel*, Rutgers University, *Camp, Waste, and Monsters: A Different Tale of Modernity.*
- 4517. Conservation Strategies, Biodiversity, and Protected Areas in Africa**
Room: 617 - Washington State Convention Center, Level 6
(Paper Session)
ORGANIZER(S): Program Committee
CHAIR(S): Leslie King, Vancouver Island University
2:40 Paul Laueremann*, Monterey Institute, Middlebury College, *"We Need Them to Come": Cross-Border Conservation in Southern Africa as a New Venue for Sidaway's "Sovereign Simulations."*
3:00 Megan Selby, PhD Candidate University of Auckland*, University of Auckland, *Political Ecology of a Species: Red Ruffed Lemur Conservation.*
3:20 Caroline G Staub*, University of Florida, *Predicting browsing on woody trees by the african elephant (Loxodontus africanus) in Majete wildlife Reserve, in Lower Shire Valley, south-western Malawi..*

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3:40 Leslie King, Dr.*, Vancouver Island University; Grant Murray, Dr., Vancouver Island University; Lance Robinson, Dr., Vancouver Island University, *Governance Design to Reflect Social and Environmental Values.*

4518. Teaching Regional Geography of South Asia (Sponsored by Asian Geography Specialty Group, Geography Education Specialty Group)

Room: 618 - Washington State Convention Center, Level 6 (Panel Session)

ORGANIZER(S): Kathleen O'Reilly, Texas A&M University; Trevor Birkenholtz, Rutgers University
CHAIR(S): Kathleen O'Reilly, Texas A&M University
Panelists: Trevor Birkenholtz, Rutgers University; Madhusudana N. Rao, Bridgewater State College; Pratyusha Basu, University of South Florida, Tampa; Richard Allan Beck, University of Cincinnati; Kathleen O'Reilly, Texas A&M University

4519. Peri-urban natures: renegotiations and reinterpretations of peri-urban places and concepts, session 2

Room: 619 - Washington State Convention Center, Level 6 (Paper Session)

ORGANIZER(S): Mattias Qvistrom, Swedish Univ of Agricultural Sciences; Vera Vicenzotti, Technische Universität München
CHAIR(S): Mattias Qvistrom, Swedish Univ of Agricultural Sciences
2:40 Martin Phillips*, University of Leicester, *Baroque-nature in a gentrified peri-urban environment.*
3:00 Jay Bolthouse*, The University of Tokyo, *Between Work & Play: Peri-urban Hybridity and Asobi-Shigoto (play-work) in Japan and Beyond.*
3:20 Cynthia Ghorra-Gobin*, CNRS (UMR 7227), *Urban Public Spaces in the periphery : Overcoming the apparent contradiction.*
3:40 Vera Vicenzotti*, Technische Universität München, *The Contribution of Landscape Urbanism to the Sustainable Development of Peri-Urban Landscapes.*
4:00 Beatrice De Carli*, Politecnico di Milano, *The untapped potential of semi-natural spaces. Mapping explorations in Milan..*

4520. Mobilities, Borders, and Confinement III: Place and Fixity (Sponsored by Population Specialty Group, Urban Geography Specialty Group, Ethics, Justice, and Human Rights Specialty Group)

Room: 620 - Washington State Convention Center, Level 6 (Paper Session)

ORGANIZER(S): Matthew Mitchelson, Dartmouth College; Dominique Moran, University of Birmingham
CHAIR(S): Dominique Moran, University of Birmingham
2:40 Marie Morelle*, Paris 1 University, *Power, Control and Money in Prison : the case of the Yaounde Central Prison.*
3:00 Susannah R. McCandless, Ph.D.*, Clark University, *Hidden Mobile Home: Choosing the security of prison-like space.*
3:20 James A. Tyner, PhD*, Kent State University, *Confinement, Mobility, and Land-Mines.*
3:40 Matthew Mitchelson*, Dartmouth College, *Bedspace: To the Big House, from Home, through Abstract Space.*
4:00 joshua j kurz*, Ohio State University, *The Figure of the Refugee: Towards a Biopolitics of the Refugee Body.*

4524. Discourse Analysis and Urban Research 1: Texts, Images, Artifacts (Sponsored by Qualitative Research Specialty Group, Geographic Perspectives on Women Specialty Group, Urban Geography Specialty Group)

Room: 301 - Washington State Convention Center, Level 3 (Paper Session)

ORGANIZER(S): Leslie Kern, Mount Allison University; Tiffany K. Muller Myrdahl, University of Lethbridge
CHAIR(S): Tiffany K. Muller Myrdahl, University of Lethbridge
2:40 Leslie Kern*, Mount Allison University, *"We don't want your crappy corporate coffee here:" Resistance and revanchism in a neighborhood gentrification debate.*
3:00 Krisztina Varro*, Radboud University Nijmegen, *Deconstructing 'the urban' in Hungary: applying discourse theory in urban research.*
3:20 Tiffany K. Muller Myrdahl*, University of Lethbridge, *The materiality of difference: Discourses of diversity and urban change in a prairie city.*
3:40 Craig Meadows*, York University, *Insomnia as Merit Badge: Discourses of the Night in the Cultural City.*
4:00 David Beel*, University of Glasgow, *Applying Critical Discourse Analysis to Policy Literature: the State, Glasgow and the Museum.*

4525. Medical and Health Geography: Regions

Room: 302 - Washington State Convention Center, Level 3 (Paper Session)

ORGANIZER(S): Program Committee
CHAIR(S): Mona Arora, University of Arizona
2:40 Mona Arora, MSPH*, University of Arizona; Kacey C Ernst, Ph.D., MPH, University of Arizona Mel & Enid Zuckerman College of Public Health, *Who's Under the Net? Determining Distribution and Use of Bednets in Africa.*
3:00 Guirong Wang, Tsinghua University; Xiaojia Zhu, Tsinghua University; Xiaolan Li, Tsinghua University; Tao Zhang, Tsinghua University; Zhiben Jiang, Tsinghua University; Jianjun Chen, Wuhan Institute of Virology, Chinese Academy of Sciences; Yuru Wang, Jiangxi Science and Technology Normal University; Mu Yang, Tsinghua University; Ze Chen, Wuhan Institute of Virology, Chinese Academy of Sciences; Laixing Li, Chinese Academy of Sciences; Bing Xu*, University of Utah, *Seroprevalence of the Avian Influenza Virus among Herons in a City Park of Jiangxi, China.*
3:20 Jane Messina*, UNC-Chapel Hill Geography; Steve Taylor, PhD, MPH, UNC Gillings School of Public Health Epidemiology; Steven R Meshnick, MD, PhD, UNC Gillings School of Public Health Epidemiology; Michael Emch, PhD, UNC-Chapel Hill Geography, *Population, Behavioral and Environmental Drivers of Malaria Prevalence in the Democratic Republic of Congo.*

4526. Climate change: Drivers, consequences, and effects on ecosystem functioning - Session 2 of 2 (Sponsored by Human Dimensions of Global Change Specialty Group, Climate Specialty Group, Biogeography Specialty Group)

Room: 303 - Washington State Convention Center, Level 3 (Paper Session)

ORGANIZER(S): Kelley J. O'Neal, University of Maryland; Tatiana Loboda, University of Maryland - College Park
CHAIR(S): Tatiana Loboda, University of Maryland - College Park
2:40 Jessica McCarty, Ph.D.*, University of Louisville, *Setting fire to the fields: agricultural practices, crop residue burning, climate change, and black carbon emissions in the Arctic.*

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- 3:00** Giuseppe Molinaro*, University of Maryland; Alice Altstatt, PhD, University of Maryland; Minnie Min Wong, University of Maryland; Diane Davies, PhD, University of Maryland, *CARPE: Providing stakeholders in the Congo Basin resources for implementing policies on LCLUC and Climate Change.*
- 3:20** Jason Sibold*, Colorado State University, *Mountain Pine Beetle Impacts on Ponderosa Pine: A Climate Change-Ecosystem Management Interactions Case Study.*
- 3:40** Michael T Griffin*, East Carolina University; Jennifer S Arrigo, East Carolina University, *Assessing Future Water Resources: Incorporating the Influence of Climate Change and Land Use Change.*
Discussant(s): Giuseppe Molinaro, University of Maryland
- 4527. Change in (sub)urban(izing) environments: conceptualizing vulnerability, resilience and sustainability at the urban scale (Sponsored by Cultural and Political Ecology Specialty Group, Human Dimensions of Global Change Specialty Group)**
Room: 304 - Washington State Convention Center, Level 3 (Panel Session)
ORGANIZER(S): Sarah Dooling; Jessica K. Graybill, Colgate University
CHAIR(S): Gregory Simon, University of Colorado Denver
Panelists: Kevin Keenan, College of Charleston; Jessica K. Graybill, Colgate University; Sarah Dooling
- 4528. Sedimentary Perspectives on Paleoenvironmental Change II (Sponsored by Paleoenvironmental Change Specialty Group, Biogeography Specialty Group, Geomorphology Specialty Group)**
Room: 305 - Washington State Convention Center, Level 3 (Paper Session)
ORGANIZER(S): Kevin Spigel, Unity College; Samantha Kaplan, University of Wisconsin - Stevens Point
CHAIR(S): Samantha Kaplan, University of Wisconsin - Stevens Point
2:40 Grace E Carter*, University of Wyoming; Devin D. Hougardy, University of Wyoming; Kristine Powers, Limnological Research Center, University of Minnesota; Bryan N Shuman, University of Wyoming, *Comparison of Holocene drought, fire and vegetation history in the eastern Sawatch Range, Central Colorado.*
3:00 Colin J. Long*, University of Wisconsin Oshkosh; Jessica M Neumann, University of Wisconsin Oshkosh, *Late Holocene inferred drought records from the mesic hardwood forests of southeastern Wisconsin.*
3:20 William C Johnson*, University Of Kansas; Joseph A Mason, University of Wisconsin Madison; Terri L Woodburn, University of Kansas; Alan F Halfen, University of Kansas; Stephen T Hasiotis, University of Kansas; Robin Moore, University of Kansas, *The Pleistocene--Holocene Transition in the Central Great Plains: An Unashamed Lust for Loess.*
3:40 Michelle Mckeown, BA*, NUI Galway; Aaron Potito, B.A., M.A., PH.D, co-author, *An assessment of recent climate change and ecological response in NW Ireland using chironomid-based palaeolimnological reconstructions.*
4:00 Samantha W Kaplan*, University of Wisconsin - Stevens Point; Paul J Garrison, Wisconsin Department of Natural Resources; Joy Stelzer, University of Wisconsin - Stevens Point, *Holocene fire history and changes in lake alkalinity in northern Wisconsin.*
- 4529. Applications of GIS and Remote Sensing in Coastal and Estuarine Studies (Sponsored by Geographic Information Science and Systems Specialty Group, Remote Sensing Specialty Group, Coastal and Marine Specialty Group)**
Room: 306 - Washington State Convention Center, Level 3 (Paper Session)
ORGANIZER(S): Jun Zhu, University of Massachusetts Boston; Helenmary Hotz, University of Massachusetts Boston
CHAIR(S): Jun Zhu, University of Massachusetts Boston
2:40 Helenmary Hotz*, University of Massachusetts Boston, *Emergence of GPS in Hand Held Consumer Geo Devices Enables Data Collection and Facilitates Deployment of Alternative High School GIS Training and Outreach Initiatives.*
3:00 Jun Zhu*, University of Massachusetts Boston; Brittian Wilson, Texas A&M International University; Allen Gontz, University of Massachusetts Boston; Yong Tian, University of Massachusetts Boston; Frank Nitsche, Lamont Doherty Earth Observatory, Columbia University; Curtis Olsen, University of Massachusetts Boston, *Using GIS-based Research Approach to Examine Sediment Accumulation in the Lower Hudson River Estuary.*
- 4530. Cities and Flows (Panel) (Sponsored by Urban Geography Specialty Group, Economic Geography Specialty Group, Transportation Geography Specialty Group)**
Room: 307 - Washington State Convention Center, Level 3 (Panel Session)
ORGANIZER(S): Peter V. Hall, Simon Fraser University; Markus Hesse, University of Luxembourg
CHAIR(S): Markus Hesse, University of Luxembourg
Panelists: Matthew Zook, University of Kentucky; Chris Fowler; Clarence Woudsma, University of Waterloo; Wouter Jacobs, Utrecht University; Antoine Fremont, The French National Institute for Transport and Safety Research; Julie Cidell, University of Illinois
- 4531. Phenological Research in the Eastern USA (Sponsored by Climate Specialty Group)**
Room: 308 - Washington State Convention Center, Level 3 (Paper Session)
ORGANIZER(S): Mark D. Schwartz, University Of Wisconsin - Milwaukee
CHAIR(S): Mark D. Schwartz, University Of Wisconsin - Milwaukee
2:40 Rong Yu*, Mark D Schwartz, *Tracking Spring and Autumn Phenological Responses to Microclimate Variations in an Urban Setting.*
3:00 Isaac Park*, UW-Milwaukee, *Phenological patterns in digital, multi-taxa herbarium records across the Southeastern United States.*
3:20 Jonathan M Hanes*, University of Wisconsin-Milwaukee; Mark D Schwartz, University of Wisconsin-Milwaukee, *Comparing Surface and Satellite Measurements of Spring Phenology in a Mixed Forest.*
3:40 Mark D. Schwartz*, University Of Wisconsin - Milwaukee, *High-resolution Autumn Phenological Observations in a Northern Mixed Forest.*

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- 4533. Retail and Service Geography II (Sponsored by Business Geography Specialty Group)**
Room: 310 - Washington State Convention Center, Level 3
(Paper Session)
ORGANIZER(S): Tony Hernandez, Ryerson University
CHAIR(S): Tony Hernandez, Ryerson University
Introducer: Tony Hernandez
2:40 Shuguang Wang*, Ryerson University; Juan Valencia, Ryerson University, *Use of Dual Brands as a Corporate Strategy for Retail Internationalization: A Case Study of Best Buy in Canada.*
3:00 Carlos J. Guilbe*, University of Puerto Rico, *The Geography of American Drugstores in Overseas Markets; CVS vs. Walgreens in Puerto Rico.*
3:20 Breandan O HULLachain*, Arizona State University; Timothy F Leslie, George Mason University, *Shop til You Drop: The Geography of Retailing in Phoenix.*
3:40 Karigomba Wilbert*, North West Arkansas Community College, *A Geospatial Analysis of Retail Performance and Expansion.*
4:00 Tony Hernandez*, Ryerson University; Brian Ceh, Ryerson University, *When Global Meets Local: Tracking the Impact of Wal-Mart's Store Portfolio in Canada.*
- 4534. GIS and Spatial Modeling for Natural Resources**
Room: 3A - Washington State Convention Center, Level 3
(Paper Session)
ORGANIZER(S): Program Committee
CHAIR(S): Holly Porter-Morgan, The New York Botanical Garden
2:40 Forrest R. Stevens*, University of Florida; Thomas Bohrmann, University of Florida; Mollie Brooks, University of Florida; Andrew Hein, University of Florida; Joseph Luchetti, University of Florida; Benjamin Bolker, Ph.D., McMaster University; Mary Christman, Ph.D., University of Florida; Craig Osenberg, Ph.D., University of Florida; Andrea Gaughan, University of Florida, *Predicting Ponds, Pines and Savanna: A Recursive Time Series Modeling Approach for Messy Data.*
3:00 Giorgos Mountrakis*, SUNY College of Environmental Science and Forestry; Sheng Yang, SUNY ESF, *Forest Consolidation Dynamics in the contiguous United States of the 1990s.*
3:20 Hai Lan*, Institute for Geospatial Research & Education; Zhanming Wan, Institute for Geospatial Research & Education; Yichun Xie, Institute for Geospatial Research & Education, *Vegetation Types Precise Recognition by Fusion of LANDSAT and HYPERION images: Grassland Ecosystems and Societal Adaptations Under Changing Grazing Intensity and Climate on the Mongolian Plateau example.*
3:40 Holly A. Porter Morgan, Ph.D.*, The New York Botanical Garden, *Ecological Niche Modeling in the Service of Conservation: Investigating the Spatiality of At Risk Plant Species in Puerto Rico.*
- 4535. Climate Change and Development: Intersections, Contradictions, Opportunities (I) (Sponsored by Cultural and Political Ecology Specialty Group, Development Geographies Specialty Group)**
Room: 3B - Washington State Convention Center, Level 3
(Paper Session)
ORGANIZER(S): Farhana Sultana, Syracuse University; Edward R Carr, University of South Carolina
CHAIR(S): Farhana Sultana, Syracuse University
Panelists: Diana M. Liverman, University Of Oxford; Molly E. Brown, NASA; Edward R Carr, University of South Carolina; Joni Seager, Bentley University; Anthony J. Bebbington, Clark University
- 4536. The Politics of Meat Production and Consumption II (Sponsored by Political Geography Specialty Group, Animal Geography Specialty Group)**
Room: 201 - Washington State Convention Center, Level 2
(Paper Session)
ORGANIZER(S): Harvey Neo, National University of Singapore; Jacque (Jody) L. Emel, Clark University
CHAIR(S): Harvey Neo, National University of Singapore
2:40 Brandon Koenig*, The New School for Social Research, *Humans, Nonhumans, and a Politics of Distance.*
3:00 Jennifer Rebecca Kelly*, Michigan State University, *Unmasking the Paradox: A lens into the individual and structural influences of the human-animal relationship.*
3:20 David Lulka*, *California's Proposition 2: Science, Ethics and the Boundaries of Democracy in Agricultural Politics.*
3:40 Connie Johnston*, Clark University, *Finding their Minds: The Use of Cognitive and Behavioral Science to Address Concerns about the Humane Treatment of Farm Animals in the US and EU.*
4:00 Harvey Neo*, National University of Singapore, *Whither the politics of vegetarianism?.*
Discussant(s): Jacque (Jody) L. Emel, Clark University
- 4537. The Decolonization of Diet: Examining Health and Food Practices 2 (Sponsored by Indigenous Peoples Specialty Group)**
Room: 202 - Washington State Convention Center, Level 2
(Paper Session)
ORGANIZER(S): Jessica Hayes-Conroy, Pennsylvania State University; Kathryn J. Besio, University of Hawaii-Hilo
CHAIR(S): Kathryn J. Besio, University of Hawaii-Hilo
2:40 Greg Christopher Rodriguez, B.S., B.A. *, *Decolonial Food For Thought, Counter-Hegemonic & Decolonial Foodways in Latin America.*
3:00 Lauren M Anderson, MS Candidate*, The Pennsylvania State University, *Understanding the "Local" in Farm-to-School.*
3:20 Janet Momsen*, Univ of California; Anne Coles, Ph.D., QEH, University of Oxford, *Colonial Dietary Cycles In Barbados.*
3:40 Randy A. Peppler*, University of Oklahoma, *Agriculture and food sovereignty as pathways to healthier and more sustainable lifestyles: Efforts among Native peoples in Oklahoma.*
Discussant(s): Emily Eaton, University of Regina
- 4538. Recreation, Sport and Identity (Sponsored by Recreation, Tourism, and Sport Specialty Group)**
Room: 203 - Washington State Convention Center, Level 2
(Paper Session)
ORGANIZER(S): Jillian Rickly-Boyd
CHAIR(S): Jillian Rickly-Boyd
2:40 Alvin Goeser*, *A haptic geography of Outward Bound Omaha's Urban Youth Programs.*
3:00 Iryna Sharaievska*, University of Illinois at Urbana-Champaign; Monika Stodolska, PhD, University of Illinois at Urbana-Champaign; Scott Tainsky, PhD, University of Illinois at Urbana-Champaign, *Social Capital and Well-being Outcomes of the Reviving Baseball in Inner-Cities Program for Underprivileged Minority Youth.*
3:20 Cameron P Meyer*, Indiana University Department of Geography, *The Influence of Mountain Biking Advocacy Groups and Clubs in the Creation, Management and Use of Mountain Biking Trails in the United States.*

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- 3:40** Jessica Leigh Rosier, Grad Student*, St. Cloud State University, *Discovering Park History and Natural Resources through Interpretive Geocaching.*
- 4:00** Theodore L. Goudge*, Northwest Missouri State; Lonnie Treese*, Northwest Missouri State; Brett A. Richey*, Northwest Missouri State University, *The Geography of College Football Player Origins & Success: Football Championship Subdivision (FCS).*
- 4539. Cities & Synecdoche II (Sponsored by Urban Geography Specialty Group, Communication Geography Specialty Group)**
Room: 204 - Washington State Convention Center, Level 2
(Paper Session)
ORGANIZER(S): Alec Brownlow, DePaul University
CHAIR(S): Alec Brownlow, DePaul University
2:40 Alessandro Angelini*, CUNY Graduate Center, *A Self-Built City: On Model-Making in Rio de Janeiro.*
2:55 Robert Samet*, Stanford University, *Dangerous Places: Urban Violence and the Political Imagination of Caracas, Venezuela.*
3:10 Maura Finkelstein*, Stanford University, *Burning Bright? The Smoke and Mirrors of Mumbai's Industrial Fires.*
- 4540. Political Ecology of Land Tenure II: Land-Use and Environmental Transformations (Sponsored by Political Geography Specialty Group, Cultural and Political Ecology Specialty Group, Cultural Geography Specialty Group)**
Room: 205 - Washington State Convention Center, Level 2
(Paper Session)
ORGANIZER(S): Brian Grabbatin, University of Kentucky; Timothy Brock, University of Kentucky
CHAIR(S): Brian Grabbatin, University of Kentucky
2:40 Michael Porter*, Graduate Center of the City University of New York, *Environmental Inequity and Private Property: the case of brownfield development in New York City.*
3:00 Timothy Brock*, University of Kentucky, *Constructions of Nature, Reproduction of Capital and the Commodification of Indigenous Lands.*
3:20 Bradley B. Walters, Dr.*, Mount Allison University, *Family Land, Forests and Trees in Saint Lucia, West Indies.*
3:40 Benjamin D. Neimark*, Temple University, *Up for grabs? The social and political forces behind biofuel production in sub-Saharan Africa.*
Introducer: Wendy Wolford
- 4541. Social-Ecological Systems: Theory, Methods, and Modeling (Sponsored by Cultural and Political Ecology Specialty Group, Human Dimensions of Global Change Specialty Group, Spatial Analysis and Modeling Specialty Group)**
Room: 206 - Washington State Convention Center, Level 2
(Paper Session)
ORGANIZER(S): Christopher Scott, University of Arizona; Barbara Morehouse
CHAIR(S): Christopher Scott, University of Arizona
2:40 Eric Spears, Ph.D.*, Mercer University, *Scalar Theory and Praxis in Social-Ecological Systems: The Case of Jekyll Island, Georgia.*
3:00 Tom Evans*, Indiana University; Thamana Lekprichakul, Research Institute for Humanity and Nature; Chieko Umetsu, Research Institute for Humanity and Nature; Kelly Caylor, Princeton University, *An agent-based model of land use, climate variability and food security in rural Zambia.*
3:20 Claudia Bieling*, Institute for Landscape Management, University of Freiburg, Germany; Tobias Plieninger, Berlin-Brandenburg Academy of Sciences and Humanities, Berlin, Germany, *Resilience meets cultural*
- landscapes.*
- 3:40** Barbara J. Morehouse, Institute of the Environment*, The University of Arizona, *Social-Ecological Systems and the Negotiation of Complexity.*
Discussant(s): Petra Tschakert, Penn State University
- 4542. The Politics of Expectations: Nature, Culture, and the Production of Space II (Sponsored by Socialist and Critical Geography Specialty Group)**
Room: 211 - Washington State Convention Center, Level 2
(Paper Session)
ORGANIZER(S): James Porter; Samuel Randalls
CHAIR(S): Samuel Randalls
2:40 Cheryl McEwan, Dr*, University Of Durham, *Fighting for fynbos: The politics of expectation in ethical wild flower harvesting.*
3:00 Erik Jönsson*, Lund University, *Contested Expectations: Future Natures, Social Struggle, and Ontological Politics at the Menie Estate.*
3:20 Jessica Lehman*, *Expecting the sea: Natural Disaster, Climate Change, and Uncertainty on Sri Lanka's East Coast.*
3:40 James Porter*, *Blurred Boundaries: The Making of A 'Good Scientist' in an Ethically Contentious Field.*
Discussant(s): Leigh Johnson, University of California Berkeley
- 4543. Affinity and Geography: Contemporary Directions (Sponsored by Ethics, Justice, and Human Rights Specialty Group, Cultural Geography Specialty Group, Indigenous Peoples Specialty Group)**
Room: 212 - Washington State Convention Center, Level 2
(Paper Session)
ORGANIZER(S): Soren Larsen, University of Missouri; Jay T. Johnson, University of Kansas
CHAIR(S): Soren Larsen, University of Missouri
2:40 Jay T. Johnson*, University of Kansas, *Being-in-place together: Is there room for the settler in anarcho-indigenism?.*
2:55 Soren Larsen*, University of Missouri, *Ethics in the space between self and other: exploring the relationship between affinity politics and existential phenomenology.*
3:10 Christina E. Dando*, University of Nebraska-Omaha, *Progressive Era Women, Affinity Politics & the Chicago Landscape.*
3:25 Nicholas Jon Crane*, Ohio State University, *Remembering like us? Fragile 'new lines of alliance' after Mexico City's '68.*
3:40 Sasha Davis*, University of Hawaii - Hilo, *Redefining security in the islands of empire.*
Discussant(s): Richard S. Day, Queens University
- 4544. Ongoing research in post-Soviet Georgia 2: Internally displaced persons, local communities and human rights (Sponsored by Russian, Central Eurasian, and East European Specialty Group)**
Room: 213 - Washington State Convention Center, Level 2
(Paper Session)
ORGANIZER(S): Jessica K. Graybill, Colgate University
CHAIR(S): Beth Mitchneck, University of Arizona
Panelists: Giorgi Gogsadze; Olga L. Medvedkov, Wittenberg University; Joseph Salukvadze; Michael Gentile, Umeå University

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- 4545. Health Care Workforce Geography (Sponsored by Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group, Health and Medical Geography Specialty Group)**
 Room: 214 - Washington State Convention Center, Level 2
 (Paper Session)
 ORGANIZER(S): Imam Xierali, Robert Graham Center
 CHAIR(S): Imam Xierali, Robert Graham Center
2:40 Lin Liu*, University of Cincinnati; James Greenburg, Cincinnati Children's Hospital; Shuyan Huo, University of Cincinnati; Andrew South, Cincinnati Children's Hospital; Eric Hall, Cincinnati Children's Hospital; David Jones, Cincinnati Children's Hospital; Jareen Meinzen-Derr, Cincinnati Children's Hospital, *Geographical distribution of preterm birth and spatial analysis of attributing risk factors in Cincinnati.*
3:00 James B. Holt*, CDC/ Centers for Disease Control; Xingyou Zhang, MS, PhD, CDC/Centers for Disease Control and Prevention; Janet B Croft, PhD, CDC/ Centers for Disease Control and Prevention, *Geographic disparities in chronic obstructive pulmonary disease (COPD) hospitalization among Medicare beneficiaries, 1995-2005.*
3:20 Paul Knox*, Virginia Tech; Jim Bohland, Virginia Tech; Link Elmore, Virginia Tech; Peter Sforza, Virginia Tech; Larry Shumsky, Virginia Tech, *Dynamics of an Urban Health Care System: Case of San Francisco 1880 to 1930.*
3:40 Xun Shi*, Dartmouth College, *Mapping Birth Defects and Birth Weight in New Hampshire.*
4:00 Imam Xierali*, Robert Graham Center; Andrew Bazemore, MD; MPH, Robert Graham Center; Robert Phillips, MD; MSPH, Robert Graham Center, *Distribution of International Medical Graduates in the U.S..*

- 4546. Taking matters into third hands: intermediaries and the organization of the creative economy. 3. Government policies and strategies (Sponsored by Urban Geography Specialty Group, Cultural Geography Specialty Group, Economic Geography Specialty Group)**
 Room: 2A - Washington State Convention Center, Level 2
 (Paper Session)
 ORGANIZER(S): Doreen Jakob, UNC Chapel Hill / Center for Metropolitan Studies Berlin; Bas Van Heur, Maastricht University
 CHAIR(S): Benjamin Shultz, University of Tennessee
2:40 Jules Channer, ESRC PhD Researcher, FRSA, BSc (Hons), MRES*, University of Exeter, *In search of solid ground: state intermediaries and the creative industries.*
3:00 Galina Gornostaeva, PhD*, University of Greenwich; Noel Campbell, PhD, University of Greenwich, *Publicly funded intermediaries in the British film industry and the paradox of embeddedness: the example of the Film Council.*
3:20 Cheryl Hughes*, *Study of Local Arts Agencies: A Case for Local Government Support of the Arts.*
3:40 Justin O'Connor, Prof. *, Queensland University of Technology; Xin Gu, Dr., Queensland University of Technology, *designing creative clusters in China - a western model?.*

- 4547. GIS**
 Room: 2B - Washington State Convention Center, Level 2
 (Illustrated Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Lee Adams, Central Connecticut State University
2:40 Daniel Karnes, Ph.D. *, US Army Corps of Engineers, *Geodatabase Synchronization across Schemas.*

- 2:50** Nick Burkhart*, University of California, Los Angeles, *Visualizing Worldwide Internet Censorship and Filtered Network Access.*
3:00 Jeffrey B. Kodysh*, University of Toledo; Olufemi A. Omitaomu, Oak Ridge National Laboratory, *Photovoltaic Resource Modeling for the Built Environment.*
3:10 Thomas Hamill*, Clark University, *Application of Interpolation Methods to Estimate Lawn Cover.*
3:20 Andrew J Stauffer*, Penn State; Chelsea L Hanchett, Esri; Cynthia A Brewer, Penn State, *Terrain Generalization for Multiscale Mapping.*
3:30 Daniel Rees*, Clark University, *Analyzing The Relationship Between Lawns, Children and Adults in the Plum Island.*
3:40 Lee Adams*, Department of Geography, Central Connecticut State University, New Britain, CT 06050; Henry N.N. Bulley, Department of Geography, Central Connecticut State University, New Britain, CT 06050, *Assessment of Standardized Color Schemes in GIS-Based Land Use Mapping.*

- 4550. Putting Capital to work? Marxist abstractions and the concrete realities of geographic research (Sponsored by Political Geography Specialty Group, Socialist and Critical Geography Specialty Group, Economic Geography Specialty Group)**
 Room: Boren - Sheraton Hotel, Union Tower, Fourth Floor
 (Panel Session)
 ORGANIZER(S): Marc Auerbach; Kevin R. Cox, Ohio State University
 CHAIR(S): Marc Auerbach
 Panelists: Kevin R. Cox, Ohio State University; Tod D. Rutherford, Syracuse University; David L. Rigby, UCLA; Roger Lee, Queen Mary, University Of London

- 4551. Geography and the 2010 and 2012 U.S. Presidential Elections (Sponsored by Political Geography Specialty Group)**
 Room: Columbia - Sheraton Hotel, Union Tower, Fourth Floor
 (Panel Session)
 ORGANIZER(S): Fred M. Shelley, University of Oklahoma; Barney Warf, University of Kansas
 CHAIR(S): Fred M. Shelley, University of Oklahoma
 Panelists: John Clark Archer, University of Nebraska; Fiona M. Davidson, University Of Arkansas; Ryan Douglas Weichert, University of Wisconsin-Eau Claire; Robert Watrel, South Dakota State University

- 4552. Navigating the Geographies of Food IV (Sponsored by Cultural and Political Ecology Specialty Group, Rural Geography Specialty Group, Qualitative Research Specialty Group)**
 Room: Jefferson - Sheraton Hotel, Union Tower, Fourth Floor
 (Paper Session)
 ORGANIZER(S): Kathryn Morrison, University of Victoria; Garrett Graddy, University of Kentucky
 CHAIR(S): Kathryn Morrison, University of Victoria
2:40 Lindsay Naylor*, University of Oregon, *Exploring Food Sovereignty: The Intersection of Fair Trade and the Zapatista Movement in Chiapas, Mexico.*
3:00 Marla Torrado*, The University of Texas, *Extracting environmental governance: agricultural intensification and soybean expansion in Argentina.*
3:20 William Terry*, Clemson University, *Volunteer Tourism on Organic Farms: WWOOF as a Model for Sustainable Agricultural Development.*
3:40 Jean Lavigne, PhD*, College of St. Benedict/St. John's University, *Vive la Résistance: Eco-Saboteurs, the Precautionary Principle, and the French Refusal to Adopt Genetically Modified Foods.*

FRIDAY, APRIL 15 • 2:40 PM - 4:20 PM • 4500**4554. Energy Systems, Protected Lands and Land Use Change**

Room: Pike - Sheraton Hotel, Union Tower, Fourth Floor

(Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Enrique Lanz Oca, CUNY

2:40 Stephen Cameron*, Western Michigan University, *Reduced Emissions from Deforestation and Forest Degradation In Brazil's Federal Amazonian Protected Areas.*

3:00 Avery S. Cohn, M.E.Sc.*, University of California, Berkeley; Petr Havlik, International Institute for Applied Systems Analysis, *Brazilian Cattle Ranching Intensification Policies Can Reduce GHG Emissions.*

3:20 Xuesong Zhang*, PNNL; Roberto C Izaurralde, PNNL; Allison M Thomson, PNNL; Ritvik Sahajpal, University of Maryland; David Manowitz, PNNL; Stephen LeDuc, USEPA, *Assessment of Conservation Reserve Program (CRP) and Marginal Land-Use Change for Bioenergy Production.*

3:40 Enrique Lanz Oca*, CUNY, *Electric Dreams of a Transnational Bioregion: The Juan de Fuca Transmission Plan.*

4556. Agriculture and Land Cover

Room: Seneca - Sheraton Hotel, Union Tower, Fourth Floor

(Interactive Short Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Stephanie Devenny

2:40 Stephanie Devenny*, Northeastern Illinois University, *A GIS Analysis of Water Contamination Risk Factors Associated With Animal Waste in Northern Illinois Concentrated Animal Feeding Operations.*

2:45 Peggy Hauselt*, CSU Stanislaus, *Defining "local" at farmers markets in an agricultural region.*

2:50 Christopher Cole, Remote Sensing Scientist*, Parallel, Incorporated; Beverly Friesen, Geographer, United States Geological Survey, *Detecting Conifer Mortality in Colorado using Synthetic Aperture Radar (SAR).*

2:55 Qiaofeng (Robin) Zhang*, Murray State University; Chunyang He, Beijing Normal University, *Measuring and comparing urban development patterns in China and the US using remotely sensed data and population census.*

3:00 Williams M Castro*, Michigan State University; Mateus Batistella, Embrapa Monitoramento por Satélite; Adriano Venturieri, Embrapa Amazônia Oriental, *Spatial Analysis of Land-Use and Land-Cover Change in Santarém and Belterra, Pará, Brazil.*

3:05 Luciana S. Soler, PhD*, Brazilian National Institute for Space Research, *Land Use and Land Cover Dynamics in the Brazilian Amazon: Understanding Human-Environmental Interactions.*

3:10 Mary LeeAnn King*, University of Maryland, College Park, *Comparative Study Using State of the Art Global Agricultural Remote Sensing Landuse Maps and the Global Agricultural Ecological Zone Model: Actual Versus Potential Agricultural Production.*

3:15 Jennifer S Sears*, Western Washington University, *Identifying Areas with Dryland Farming Potential for Viticulture in the Walla Walla Valley AVA.*

3:20 Harmony SJ Paulsen*, Oregon State University, *Enhancing Agricultural Landowners' Access to Payment for Ecosystem Services Opportunities.*

3:25 Mondal Md. Surabuddin*, Dept. of W R D & M, Indian Institute of Technology, Roorkee, India - 247667; Sharma Nayan, Prof., 'Dept. of W R D & M, Indian Institute of Technology, Roorkee ? 247667, India; Martin Kappas Martin, Prof., Dept. of Cartography, GIS & Remote Sensing, Institute of Geography, Georg-August University, Göttingen, Germany; Garg P K,

Prof., Dept. of Civil (Geomatics) Engineering, Indian Institute of Technology, Roorkee ? 247667, India, *Modelling of Spatio-Temporal Dynamics of Land Use and Land Cover Using Geoinformatics Techniques.*

4558. Gender and Sexuality in Lived Religion: session two (Sponsored by Geography of Religions and Belief Systems Specialty Group)

Room: University - Sheraton Hotel, Union Tower, Fourth Floor

(Paper Session)

ORGANIZER(S): Elizabeth A. Olson, University of Edinburgh;

Peter E Hopkins, Newcastle University, UK

CHAIR(S): Peter E Hopkins, Newcastle University, UK

2:40 Elizabeth A. Olson*, University of Edinburgh; Giselle Vincett, University of Edinburgh; Peter Hopkins, Newcastle University; Rachel Pain, Durham University, *when god disappoints: young women and faith in deprived communities.*

3:00 Kate Power*, Lancaster University, UK, *Talking Religion - Talking Sex.*

3:20 Kristin M. Sziarto*, University of Wisconsin-Milwaukee, *Sex Education at Church: Space(s) for justice, faith and affect in the Our Whole Lives curriculum.*

3:40 Tyler Adams*, Dept. of Geography, The Ohio State University, *Appropriating Homophobia: Fundamentalist Politics and Nation-Building in Uganda's Anti-Homosexuality Bill.*

Discussant(s): Gill Valentine, University of Leeds

4559. Moving Away From the Car and Towards Sustainability (Sponsored by Transportation Geography Specialty Group)

Room: Virginia - Sheraton Hotel, Union Tower, Fourth Floor

(Paper Session)

ORGANIZER(S): Julie Cidell, University of Illinois

CHAIR(S): Harvey J. Miller, University of Utah

2:40 Samartha Thankappan, Dr*, University of York, United Kingdom, *The Dilemma of Sustainable Transport.*

3:00 Jinhua Zhao*, University of British Columbia, *A Subjective Measure of Car Dependence.*

3:20 Andrew E Jackson, M. Planning & Design*, University of British Columbia, *From Parking Lots to Playgrounds: the Effect of Transportation Demand Management on Land Use.*

3:40 George Yasuhara Oliver*, Arizona State University School of Geographical Sciences and Urban Planning, *Estimating Usage Levels of Carsharing Vehicles for a Mid-size American City.*

4:00 Harvey J. Miller, PhD*, University of Utah; Frank Witlox, PhD, Gent University, *Context-aware Indicators for Measuring Transportation-related Livability and Sustainability.*

4561. Race and Space 2: Heterotopias and other outside lands

Room: Ballard - Sheraton Hotel, Pike Tower, Third Floor

(Paper Session)

ORGANIZER(S): Kate Derickson, University of Glasgow;

Rachel Brahinsky, University of California - Berkeley

CHAIR(S): Audrey L. Kobayashi, Queen's University

2:40 Jackson Christopher Bartlett*, Wayne State University, *Queering the Apartheid City: Racial Liberalism and Detroit's Suburban Gayborhood.*

3:00 Khadijah White*, Annenberg School for Communication, *BANGCLASH: Belongingness and the Harlem Drummers.*

3:20 Megan Blake*, University of Sheffield, *Feeding Community / Cooking Identity.*

3:40 Marlon M. Bailey, Ph.D., Indiana University; Rashad Shabazz, Ph.D.*, The University of Vermont, *Anti-Black Heterotopias.*

Discussant(s): Wendy Cheng, Arizona State University

FRIDAY, APRIL 15 • 2:40 PM - 4:20 PM • 4500**4564. The politics of a different city: change beyond consensus? (Session 2 - Politics of Planning)**

Room: Fremont - Sheraton Hotel, Union Tower, Third Floor
(Paper Session)

ORGANIZER(S): Mark Davidson, Clark University; Deborah G. Martin, Clark University

CHAIR(S): Mark Davidson, Clark University

2:40 Gordon MacLeod*, University of Durham, *Urban Politics Reconsidered: From Growth Machine to Post-Democratic City.*

3:00 William Lindeke*, University of Minnesota, *Planning in the Time of the Encounter.*

3:20 Michelle Buckley*, University of Oxford, *Exploring the politically-possible in Dubai: bachelor builders, labour strikes and the ad hoc politics of resistance.*

3:40 Nancy Ettlinger*, Department of Geography, Ohio State University, *Democratic possibilities and a critique of post-politics.*

Discussant(s): Kevin Ward, University of Manchester

4565. China: Energy & Environment II (Sponsored by China Specialty Group)

Room: Greenwood - Sheraton Hotel, Union Tower, Third Floor
(Paper Session)

ORGANIZER(S): Piper Gaubatz, University Of Massachusetts

CHAIR(S): Anna Lora-Wainwright, University of Oxford

2:40 Kai Rebensburg*, University of Melbourne; Michael Webber, Professor, University of Melbourne; Brian Finlayson, Associate Professor, University of Melbourne; Deli Chen, Professor, University of Melbourne, *Can grain farmers in the Hai River Basin use groundwater sustainably?.*

3:00 Anna Lora-Wainwright, Dr*, University of Oxford, *Choking on What? Contested Illnesses, Pollution and the Making of Environmental Health Subjects in Contemporary China.*

3:20 Jamon Van Den Hoek*, University of Wisconsin - Madison, *The Role of Local Institutions on Recent Forest Dynamics in Mountainous Southwest China.*

3:40 Niu Zhen Guo*; ZhenGuo Niu, Key Laboratory of Remote Sensing Science, Institute of Remote Sensing Applications, Chinese Academy of Sciences, Beijing 100101, China; Peng Gong, for Global Change Studies, Tsinghua University, Beijing, 100084, China; Haiying Zhang, State Key Laboratory of Remote Sensing Science, Institute of Remote Sensing Applications, Chinese Academy of Sciences, Beijing 100101, China, *Mapping the Wetland Changes in China between 1990 and 2008.*

4566. The Contribution of Cartography to Deciphering the Eurasian Landscape

Room: Issaquah A - Sheraton Hotel, Union Tower, Third Floor
(Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Ling Zhang, LSU

2:40 Ya-Ni Huang, Department of Geography, National Taiwan University; Jinn-Guey Lay*, Department of Geography, National Taiwan University, *The planimetric accuracy of Tan-Hsin Archive Maps.*

3:00 James E. Meacham*, University of Oregon; Esther Jacobson-Tepfer, Department of Art History, University of Oregon, *Archaeology and Landscape in the Mongolian Altai: Atlas and Interactive Website.*

3:20 Lian Kang Yang, Prof.(Researcher)*, Ministry of Land and Resources, China; ZHQNG MIN, Geography and Map Division, Library of Congress, USA., *The History of Understanding China in Western Map for More Than 2000 Years.*

3:40 Naeema Alhosani*, *Arabic contributions to cartography in the Middle Ages.*

4:00 Ling Zhang*, LSU, *A GIS-Based Spatial Analysis of Place Names in Yunnan, China.*

4567. Energy Mapping and Modeling

Room: Issaquah B - Sheraton Hotel, Union Tower, Third Floor

(Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Olufemi Omitaomu, Oak Ridge National Laboratory

2:40 Tim Edgar*, University of Utah; Philip E. Dennison, University of Utah; Emanuel Vásquez, University of Utah, *Evaluating the relationship between residential electrical power consumption and potential solar insolation modeled from lidar height data.*

3:00 Geoffrey Lewis*, University of Waterloo; Robert J Laverne, Davey Tree Expert Company, *Using tree canopy loss to study the effect of trees on residential energy use.*

3:20 Young-Doo Wang, Center for Energy and Environmental Policy; Hun Park, Center for Energy and Environmental Policy; Hana Kim*, University of Delaware, *Development of a Dynamic Policy Model for the Evaluation of the Impacts of Climate Change Regulations on the Electricity Power Industry and General Economy of South Korea.*

3:40 Gargi Chaudhuri*, University of California Santa Barbara; Budhendra Bhaduri, Oak Ridge National Laboratory; Nagendra Singh, Oak Ridge National Laboratory; Keith Clarke, University of California Santa Barbara, *Expanding Bioenergy and Land Use Change: A Spatially Explicit Modeling Approach.*

4:00 Olufemi A. Omitaomu*, Oak Ridge National Laboratory; Randy J. Belles, Oak Ridge National Laboratory; Stanton W. Hadley, Oak Ridge National Laboratory; Gary T. Mays, Oak Ridge National Laboratory; Brandon R Blevins, Oak Ridge National Laboratory, *Spatial Modeling and Site Suitability Assessment for Compressed Air Energy Storage.*

4568. Caring for the Landscape - Ethics and Management

Room: Kirkland - Sheraton Hotel, Union Tower, Third Floor

(Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Stephen R Mark, National Park Service

2:40 Matt Gagnon, University of New Mexico; Matt Gagnon*, *The Valles Caldera: recreationist's perspectives on access and management.*

3:00 Lisa J. Powell*, University of Texas at Austin, *Qualitative and Quantitative Assessments of Changes in Farming Practices Due to Coal Mining.*

3:20 Anja Claus*, Northeastern Illinois University, *Chicago Wilderness: A Case Study in Ethics of Place.*

3:40 Charles Branas, PhD*, University of Pennsylvania; Thomas Ten Have, PhD, University of Pennsylvania, *A difference-in-difference evaluation of urban vacant lot greening, crime, and health.*

4:00 Stephen R Mark, Historian*, National Park Service, *"That which is good should be preserved," but how? Engineered trails as historic properties at Crater Lake and Oregon Caves.*

FRIDAY, APRIL 15 • 2:40 PM - 4:20 PM • 4500**4569. Global Climate Change Education**

Room: *Leschi - Sheraton Hotel, Union Tower, Third Floor*
(Panel Session)

ORGANIZER(S): Susan Gallagher, Association of American Geographers; Kharra C. Valmond, Association of American Geographers

CHAIR(S): Susan Gallagher, Association of American Geographers

Panelists: David Hassenzuhl, University of Nevada, Las Vegas; Lesley-Ann Dupigny-Giroux, University of Vermont; Tricia Mynster, UNLV; Ellen E. Lettvin, Pacific Science Center

4571. Shaping the City from the Ground Up: Participation, Collaboration, and Learning

Room: *Metropolitan Ballroom A - Sheraton Hotel, Third Floor*
(Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Sandra Zupan, University of Wisconsin-Milwaukee

2:40 Ashleigh Dalton*, University of Toronto; Rakhat Zholdoshaliyeva, University of Toronto, *Critiquing Instrument Development Process in a Community-University Collaborative Research Project on Community Organizing and Learning.*

3:00 Brian Stromberg*, Rutgers University, *Community land trusts: Platforms for participation.*

3:20 Terry van Dijk, dr.*, University of Groningen, the Netherlands, *The politics of peri-urban place making.*

3:40 Sandra Zupan*, University of Kentucky, *Main Streets: The Economic Development and Anti-Poverty Strategy? Exploring Collaborative Governance Practices in Milwaukee's Inner-City Redevelopment.*

4572. Environmental Nutrient Dynamics

Room: *Metropolitan Ballroom B - Sheraton Hotel, Third Floor*
(Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Sandy Kling, University of South Florida

2:40 Bradley Shellito*, Youngstown State University; Julie Robinson, Youngstown State University, *Tracking of Agricultural Sewage Sludge.*

3:00 Jingyu Wang, Ph.D.*, 1. Earth & Environmental Sciences, Graduate Center, City University of New York, 2. Lehman College of the City University of New York, Department of Environmental Geographic and Geological Sciences; Hari K Pant, Ph.D., Lehman College of the City University of New York, Department of Environmental Geographic and Geological Sciences, *Land use impact on bioavailable phosphorus in the Bronx River, New York.*

3:20 Haibin Su*, University of Cincinnati; Hongxing Liu, University of Cincinnati; Richard Beck, University of Cincinnati, *Assessment of the Impacts of Climate Variability and Land Use Change on Runoff and Nutrient Loads: a Case Study of the Maumee River Basin, Ohio.*

3:40 Mayur A Gosai, PhD*, U.S. Geological Survey, *Geographic Information Science Modeling to Aggregate and Disseminate Geologic Carbon Dioxide Sequestration Information.*

4:00 Sandy Kling*, University of South Florida, *Towards a standardized local government greenhouse gas inventory methodology in Florida.*

4573. Species In and Out of Place

Room: *Queen Anne - Sheraton Hotel, Union Tower, Third Floor*
(Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Jesalyn Keziah, University of North Carolina at Chapel Hill

2:40 Nadine Lehrer, PhD*, Washington State University TFREC; Jessica Goldberger, PhD, Washington State University, *Pest control and the adoption of sustainable agriculture practices in mainstream apple production.*

3:00 Naomi N. Arcand, Ph.D. Candidate*, Department of Geography, University of Colorado, Boulder, *Influence of environmental variation and predation on the population dynamics and viability of an endemic Hawaiian tree fern.*

3:20 John C. Rodgers*, Mississippi State University, *Biogeographical Analyses of a Problematic Invasive Specie; Australian Pine (Casuarina equisetifolia L.) Distribution Patterns on Beaches of San Salvador Island, The Bahamas.*

3:40 Kelly Hibbeler*, Texas Tech University, *Using Maps to Manage Invasion: Applications of GIS in Integrated Pest Management Strategies.*

4:00 Jesalyn Keziah*, University of North Carolina at Chapel Hill, *The Pollinator Crisis and Food System Security.*

4574. Urbanization and Social Change in China: A Dual-System Perspective (Sponsored by China Specialty Group)

Room: *Ravenna - Sheraton Hotel, Union Tower, Third Floor*
(Paper Session)

ORGANIZER(S): William Buckingham, University of Washington; Kam Wing Chan, University of Washington

CHAIR(S): Kam Wing Chan, University of Washington

2:40 Kam Wing Chan*, University of Washington, *Urbanization, the Hukou Reform and the Chinese Economy.*

3:00 Li Zhang*, Fudan University, *The right to the city in post-socialist China.*

3:20 William Buckingham, PhC*, University of Washington, *Toward a Theory of China's Rural-Urban Interface: The Case of Chengzhongcun.*

3:40 Hong Chen*, University of Washington, *Chengzhongcun and Urbanization in Guangzhou.*

4:00 Guilan Weng*, University of Washington, *A Study on Social Spatial Differentiation in Metropolitan Beijing in 2000.*

4575. Immigrant Geographies of North American Cities I (Sponsored by Population Specialty Group, Urban Geography Specialty Group, Ethnic Geography Specialty Group)

Room: *Wallingford - Sheraton Hotel, Union Tower, Third Floor*
(Paper Session)

ORGANIZER(S): Wei Li, Arizona State University; Carlos Teixeira, University of British Columbia Okanagan

CHAIR(S): Carlos Teixeira, University of British Columbia Okanagan

Introducer: Wei Li

2:45 Valerie Preston*, York University, *Going Local: Canadian and US Immigration Policy in the New Century.*

3:05 Emily Skop*, The University Of Colorado At Colorado Springs; Robert A Murdie, York University, *Immigration and Urban and Suburban Settlements.*

3:25 Joe T. Darden*, Michigan State University; Eric Fong, University of Toronto, *Spatial Segregation and Socioeconomic Inequality of Immigrant Groups.*

3:45 Lucia Lo, Professor*, York University; Wei Li, Associate Professor, Arizona State University, *Immigrant economic experiences: A Canada-US comparison.*

FRIDAY, APRIL 15 • 2:40 PM - 4:20 PM • 4500**4576. Cognition, Behavior, and Representation III: Spatial Thinking & Spatial Cognition (Sponsored by Geographic Information Science and Systems Specialty Group, Environmental Perception and Behavioral Geography Specialty Group, Cartography Specialty Group)**

- Room:* Aspen Room - Sheraton Hotel, Second Floor (Paper Session)
ORGANIZER(S): Sarah Battersby, University of South Carolina
CHAIR(S): Amy Griffin, University of New South Wales-ADFA
- 2:40** Amy Lobben*, University of Oregon; Megan Lawrence, University of Oregon, *Spatial Thinking Framework for Behavioral Testing and Research.*
- 3:00** Megan McNally Lawrence*, University of Oregon; Amy Lobben, PhD, University of Oregon, *Spatial Thinking: An Educational Intervention with Blind and Low Vision Students.*
- 3:20** Lynn S Liben, PhD*, Penn State, *The Challenge of Linking Environmental Photographs and Maps.*
- 3:40** Scott M. Freundschuh*, University of New Mexico, *Measuring Spatial Intelligence.*
- 4:00** Daniel R. Montello, PhD*, University of California, Santa Barbara; Andrea Nuernberger, PhD, University of California, Santa Barbara; Martin Raubal, PhD, University of California, Santa Barbara, *Spatial Cognition: For Such an Important Research Area, It's Awfully Hard to Say What It Is.*

4577. Spatiotemporal Dynamics of Recovery, Restoration, & Resilience (Sponsored by Space-Time Symposium)

- Room:* Cedar Room - Sheraton Hotel, Second Floor (Paper Session)
ORGANIZER(S): Space-Time Symposium Organizing Committee
CHAIR(S): Kenan Li
- 2:40** Danielle LaRock*, Department of Environmental Sciences Louisiana State University Baton Rouge; Nina Lam, Department of Environmental Sciences Louisiana State University Baton Rouge; DeWitt Braud, Department of Geography and Anthropology Louisiana State University Baton Rouge, *Temporal Changes in Quality of Life and Environment in New Orleans after Hurricane Katrina.*
- 3:00** Helbert Arenas*, Louisiana State University; Nina Lam, Louisiana State University, *Spatio-Temporal dynamics of the business reopening process in New Orleans after Hurricane Katrina.*
- 3:20** Christoph Aubrecht*, AIT Austrian Institute of Technology; Sérgio Freire, e-GEO, Geography and Regional Planning Research Center, New University of Lisbon; Giulio Zuccaro, University of Naples Federico II, Department of Structural Engineering; Klaus Steinnocher, AIT Austrian Institute of Technology, *The infinite spiral of disaster management: Spatio-temporal modeling aspects in the context of reducing residual risk.*
- 3:40** John Cloud*, NOAA Central Library, *Henry Mitchell and the Rising Curve of Coastal Reclamation.*
- 4:00** Kenan Li*; Danielle Larock; Nina Lam; Margret Reams, *Temporal Changes of Coastal Community Resilience in the Gulf of Mexico Region.*

4578. Space, Time, & Health II (Sponsored by Space-Time Symposium)

- Room:* Douglas Room - Sheraton Hotel, Second Floor (Paper Session)
ORGANIZER(S): Space-Time Symposium Organizing Committee
CHAIR(S): Dongmei Chen, Queen's University
- 2:40** Eun-hye Enki Yoo*, University At Buffalo (SUNY), *Space-time zero-inflated count model for West Nile virus vector mosquito abundance.*

- 3:00** Ningchuan Xiao*, The Ohio State University; Mark Moritz, The Ohio State University, *Understanding the spatiotemporal characteristics of livestock movement networks in the Far North Region of Cameroon using an agent-based model.*
- 3:20** Deepti Joshi*, University of Nebraska-Lincoln; Ashok K Samal, University of Nebraska-Lincoln; Leen-Kiat Soh*, University of Nebraska - Lincoln, *Treating Time as a First Class Citizen in Spatio-Temporal Clustering.*
- 3:40** Joseph P. Messina, Ph.D.*, Michigan State University; Mark H. DeVisser, Michigan State University; Nathan J. Moore, Ph.D., Michigan State University, *Space, Time and a Species Distribution Model of Tsetse in Kenya.*
- 4:00** Dongmei Chen*, Queen's University; Zhijie Zhang, Department of Geography, Queen's University, *Spatial and temporal analysis of global HPAI H5N1 outbreaks.*

4579. Geographies of Seattle

- Room:* Grand Ballroom A - Sheraton Hotel, Second Floor (Panel Session)
ORGANIZER(S): Katharyne Mitchell, University of Washington
CHAIR(S): Michael P. Brown, University of Washington
Discussant(s): Richard L. Morrill, University Of Washington
Panelists: Victoria A. Lawson, University of Washington; Sarah Elwood, University of Washington; Matthew W. Wilson, Ball State University; Jennifer Ann Devine, University of California, Berkeley; Anne Bonds, University of Wisconsin, Milwaukee; Kevin Ramsey, U.S. EPA; James W. Harrington, University of Washington; Mark Ellis, University Of Washington

4580. Geographer- artists: creative practice as research tool? 3: Participating (Sponsored by Qualitative Research Specialty Group)

- Room:* Grand Ballroom B - Sheraton Hotel, Second Floor (Paper Session)
ORGANIZER(S): Harriet Hawkins; Phil Jones, University of Birmingham
CHAIR(S): Harriet Hawkins
- 2:40** Päivi Kymäläinen*, *Theatre and public spaces: performative practices in participation.*
- 3:00** Lia D Shimada, PhD*, University College London, *An Activist Alphabet: Landscape Art and Peacebuilding in Northern Ireland.*
- 3:20** Ambra Gatto Bergamasco*, National institute for Regional and Spatial Analysis/ Geography Department, NUI Maynooth, *Creating processes rather than data: using theatre as a creative participatory research method in Turin, Italy.*
- 3:40** Zoe O'reilly*, NIRSA, NUI Maynooth, *'Dialogical aesthetics': a creative framework for participatory practice in geography.*
- 4:00** Hilary Ramsden*, University of the West of England, *Walking & Civic Dialogue - A Methodology For Creative Practice.*

4581. EJHR Annual Plenary Lecture: An Economic Ethics for the Anthropocene (Sponsored by Ethics, Justice, and Human Rights Specialty Group, Economic Geography Specialty Group)

- Room:* Grand Ballroom C - Sheraton Hotel, Second Floor (Panel Session)
ORGANIZER(S): Monica Varsanyi, City University of New York
CHAIR(S): Monica Varsanyi, City University of New York
Introducer: Monica Varsanyi
Introducer: Geraldine J. Pratt
Panelists: Katherine Gibson, University of Western Sydney; Gerda Roelvink, University of Western Sydney

FRIDAY, APRIL 15 • 2:40 PM - 4:20 PM • 4500

- 4582. Sustainability and the Human Environment Dynamic: Conceptual and Pedagogic Approaches**
Room: *Grand Ballroom D - Sheraton Hotel, Second Floor* (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Ibipo Johnston-Anumonwo, SUNY Cortland
2:40 Robyn M B Stuber*, University of North Carolina at Charlotte; Wei-Ning Xiang, Ph.D., University of North Carolina at Charlotte, *What is a Good Sustainability Science Scenario?*.
3:00 Travis Gliedt*, University of Waterloo; Christina Hoicka, University of Waterloo, *A Human Geography Perspective on Energy Sustainability: Considering key Concepts from Ecological Economics and Multi-level Transitions*.
3:20 Anya Z. Butt*, Central College, *Geography's role in sustainability curricula: starring, supporting or non-speaking role?*.
3:40 Elizabeth G. Ray, M.S.*, Texas State University - San Marcos, *Climate Change Knowledge and Perceptions of Texas State University Geography Alumni*.
4:00 Ibipo Johnston-Anumonwo*, SUNY Cortland, *Classroom Use of an Audio Visual Aid about Gender and Agriculture in Africa*.
- 4583. Critical Geographic Theories of Public Education's Problems and Struggles 2 (Sponsored by Graduate Student Affinity Group, Socialist and Critical Geography Specialty Group)**
Room: *Juniper Room - Sheraton Hotel, Second Floor* (Panel Session)
 ORGANIZER(S): Christopher Riley, Ohio State University - Geography; Eli Meyerhoff, University of Minnesota
 CHAIR(S): Christopher Riley, Ohio State University - Geography
 Discussant(s): Christopher Riley, Ohio State University - Geography
 Panelists: Andre Pusey; Eli Meyerhoff, University of Minnesota
- 4584. NSF IGERT, GK-12, PIRE, REU, and GDEP Grants: Strategies for Successful Proposals and Projects That Can Boost Your Research and Strengthen Your Department (Sponsored by Paleoenvironmental Change Specialty Group, Geography Education Specialty Group, Biogeography Specialty Group)**
Room: *Madrona Room - Sheraton Hotel, Second Floor* (Panel Session)
 ORGANIZER(S): Sally P. Horn, University Of Tennessee; Henri D. Grissino-Mayer, University of Tennessee
 CHAIR(S): Sally P. Horn, University Of Tennessee
 Panelists: Christopher Lant, Southern Illinois University; David M. Mark, University at Buffalo; Wendy Elizabeth Jepson, Texas A&M University; Mandy Munro-Stasiuk, Kent State University; Li An, San Diego State University; Matthew Bampton, University Of Southern Maine; Chris Houser, Texas A&M University; Christopher T. Lee, So. California Wildfire Hazard
- 4586. Perspectives on Complex Spatio-Temporal Systems [2]: Geosimulation (Sponsored by Geographic Information Science and Systems Specialty Group, Space-Time Symposium, Human Dimensions of Global Change Specialty Group, Spatial Analysis and Modeling Specialty Group)**
Room: *Willow A - Sheraton Hotel, Second Floor* (Paper Session)
 ORGANIZER(S): Arika Ligmann-Zielinska, Michigan State University; Suzana Dragicevic, Simon Fraser University
 CHAIR(S): Arika Ligmann-Zielinska, Michigan State University
2:40 Peter Deadman*, University of Waterloo; Raymond Cabrera, University of Waterloo; Josh King, University of Waterloo; Linda Mortsch, Environment Canada, *Exploring Complexity in Spatial Simulations*.
3:00 Deng Ding*, Department of Geography, University of Iowa; David Bennett, Department of Geography, University of Iowa; Silvia Secchi, Department of Agribusiness Economics, Southern Illinois University Carbondale, *An agent-based model of farmer response to alternative social-economic and environmental scenarios: a case study in the Clear Creek watershed, Iowa*.
3:20 Fraser Morgan*, Landcare Research New Zealand, *More than just sheep: Exploring farmer heterogeneity in a agent-based land use model for New Zealand*.
3:40 Xuwei Chen*, Northern Illinois University, *Coupling Spatially-Aware and Time-Aware Models in Simulating Emergency Evacuations*.
4:00 Wenwu Tang*, University of North Carolina at Charlotte; Douglas Shoemaker, University of North Carolina at Charlotte; Monica Dorning, University of North Carolina at Charlotte; John B Vogler, University of North Carolina at Charlotte; Ross Meentemeyer, University of North Carolina at Charlotte, *Spatiotemporal Simulation of Urban-rural Interaction within a High-performance Computing Environment*.
- 4587. "There is no place like home!" - Why Historians would want to use a GIS (Sponsored by Geographic Information Science and Systems Specialty Group, Space-Time Symposium, Cultural Geography Specialty Group, Historical Geography Specialty Group)**
Room: *Willow B - Sheraton Hotel, Second Floor* (Paper Session)
 ORGANIZER(S): Charles Bartlett Travis, Trinity College Dublin; Alexander Von Lünen, University of Portsmouth
 CHAIR(S): Charles Bartlett Travis, Trinity College Dublin
2:40 Alexander Von Lünen*, University of Portsmouth, *It's about time - not! Or: The past does not compute..*.
3:00 Donald Lafreniere*, University of Western Ontario; Jason Gilliland*, University Of Western Ontario, *Beyond the Narrative: Using H-GIS to Reveal Hidden Patterns and Processes of Daily Life in Nineteenth-Century Cities*.
3:20 Charles Bartlett Travis, Dr*, Department of Geography, NUI Maynooth, Ireland, *The 'Abstract Machine' of Historical GIS*.
3:40 J. B. Owens, Ph.D.*, Idaho State University, *Using GIS to Explore the Nonlinear Dynamics of Historic Systems*.

FRIDAY, APRIL 15 • 4:40 PM - 6:20 PM • 4600**4604. Using GIS to Explore Human Landscape Patterns**

- Room: 604 - Washington State Convention Center, Level 6
(Paper Session)
ORGANIZER(S): Program Committee
CHAIR(S): Colin Arrowsmith, RMIT University
4:40 Anna Wieser*, University of Arkansas, *Geoarchaeology of a Seasonal Marshland Surrounding Tell Qarqur, Syria.*
5:00 Jonathan B. Thayne, Professor of Geography, Illinois State University; Trenton Ford*, Illinois State University; Clark Erickson, Associate Professor of Anthropology, University of Pennsylvania, *Locating Pre-Columbian Settlement Sites and Ring Ditches in Beni, Bolivia.*
5:20 Alassane Sie Barro*, SIUC; Tonny J. Oyana, SIUC, *Using Geographic Information Systems For Onchocerciasis Control In Africa.*
5:40 Colin Arrowsmith*, RMIT University, *Cognitive and behavioural mapping in natural tourist destinations.*

4606. Gilbert Fowler White: 100th Anniversary Commemoration of His Life and Work (Sponsored by Hazards Specialty Group, Water Resources Specialty Group)

- Room: 606 - Washington State Convention Center, Level 6
(Panel Session)
ORGANIZER(S): John A. Cross, University of Wisconsin-Oshkosh
CHAIR(S): John A. Cross, University of Wisconsin-Oshkosh
Introducer: John A. Cross
Discussant(s): Jerry T. Mitchell, University of South Carolina
Panelists: Burrell E. Montz, East Carolina University; Eve Gruntfest, University of Colorado; Billie L. Turner, Arizona State University

4607. Geography and Human Rights: Theory and Practice

- Room: 607 - Washington State Convention Center, Level 6
(Paper Session)
ORGANIZER(S): Susan Wolfenbarger, Ohio State University
CHAIR(S): Susan Wolfenbarger, Ohio State University
Introducer: Susan Wolfenbarger
4:50 Susan Wolfenbarger*, American Association for the Advancement of Science, *Linking Geographic Theory to the Study of Human Rights.*
5:10 John Sulik*, Florida State University, *Geospatial Techniques for Human Rights.*
5:30 Scott Edwards, Ph.D.*, Amnesty International, *Demonstrated Promise and Definitive Limitations: Geospatial Science in Human Rights Research and Analysis.*
5:50 Christoph Koettl*, Amnesty International USA, *"A map is worth more than a thousand pictures": Geospatial technologies as a tool for human rights campaigning.*
Discussant(s): Susan Wolfenbarger, Ohio State University

4608. Considering a Food Geographies Specialty Group (Sponsored by Cultural and Political Ecology Specialty Group, Rural Geography Specialty Group)

- Room: 608 - Washington State Convention Center, Level 6
(Panel Session)
ORGANIZER(S): Daniel Buck, University of Oregon; Garrett Graddy, University of Kentucky
CHAIR(S): Lindsay Naylor
Panelists: Margaret I. FitzSimmons, University of California; Daniel R. Block, Chicago State University; Jason W. Moore; Nathan McClintock, University of California, Berkeley; Gina K. Thornburg, Kansas State University; Jesse McEntee, Cardiff University

4609. Challenges and Accomplishments of Master's Granting Institutions

- Room: 609 - Washington State Convention Center, Level 6
(Panel Session)
ORGANIZER(S): George White, South Dakota State University
CHAIR(S): Kenneth E. Foote, University of Colorado
Panelists: Bradley C. Rundquist, University of North Dakota; Gerald R. Webster, University of Wyoming; George White, South Dakota State University; William R. Strong, University of North Alabama; Jerry Davis, San Francisco State University

4611. Erosion and Landscape Evolution across the Globe

- Room: 611 - Washington State Convention Center, Level 6
(Paper Session)
ORGANIZER(S): Program Committee
CHAIR(S): Umesh Haritashya
4:40 Elizabeth Baird*, Simon Fraser University; Ilja Tromp-van Meerveld, Simon Fraser University, *Controls on sediment production from forest roads in a Pacific Maritime watershed.*
5:00 Tongxin Zhu*, University of Minnesota, *Gully Erosion Processes in the Hilly Loess Region of China.*
5:20 James F Petersen*, Texas State University - San Marcos; Rainer Duttman, Christian-Albrechts University of Kiel, Germany, *The Geomorphologic and Depositional Development of Vernal Pools, Enchanted Rock, Texas.*
5:40 Umesh Haritashya*, Department of Geology, University of Dayton, Dayton, OH 45469, *Dynamics of glacier sediment in the high altitude Himalayan river.*

4612. Towards a Critical Geography of Age II

- Room: 612 - Washington State Convention Center, Level 6
(Paper Session)
ORGANIZER(S): Nancy Worth, University of Leeds
CHAIR(S): Nancy Worth, University of Leeds
4:40 Femi Adekunle*, UCL; Adefemi Kingsley Adekunle, BSoc Sci, PgDip (Law), MSc. (Housing), University College London, *Critical youth geographies: a participative GIS approach.*
5:00 Matthew Callender, BA (Hons), MA (By Research)*, The University of Northampton, *Experiencing the Transition to 'Adulthood' through Migration: The Accounts of Young Polish Migrants Living in Northamptonshire, England.*
5:20 Stuart C. Aitken*, San Diego State University, *Bordered Movements: Migrating Across the Lifecourse.*
5:40 Shelley Grant*, Queen Mary University of London, *Assessing the Legal Limits and Expanding Geographies of the Human Reproductive Life-Span.*
Discussant(s): Kevin E. McHugh, Arizona State University

4613. Responding to the Gulf Oil Spill: Vulnerability, Resilience, and Strategic Science (Sponsored by Historical Geography Specialty Group, Hazards Specialty Group, Energy and Environment Specialty Group)

- Room: 613 - Washington State Convention Center, Level 6
(Panel Session)
ORGANIZER(S): Craig Colten, Louisiana State University
CHAIR(S): Craig Colten, Louisiana State University
Panelists: Craig Colten, Louisiana State University; Kirstin Dow, University of South Carolina; Thomas J. Wilbanks, Oak Ridge National Laboratory; Gary Machlis, National Park Service

FRIDAY, APRIL 15 • 4:40 PM - 6:20 PM • 4600

- 4614. The NSF GeoTech Center - Resources for Undergraduate Education (Sponsored by Community College Affinity Group)**
Room: 614 - Washington State Convention Center, Level 6
 (Panel Session)
 ORGANIZER(S): Kerry Lyste, Everett Community College
 CHAIR(S): Ann Johnson, GeoTech Center
 Discussant(s): Tora Johnson, University of Maine at Machias;
 Robert A Dastrup, Salt Lake Community College;
 Phillip Davis, GeoTech Center; Ann Johnson, GeoTech
 Center; Rodney Jackson, National GeoTech Center;
 Ming-Hsiang Tsou, San Diego State University
- 4615. Authors and Editors: GeoHumanities: Art, History, Text at the Edge of Place**
Room: 615 - Washington State Convention Center, Level 6
 (Panel Session)
 ORGANIZER(S): James A. Ketchum, Association of American Geographers
 CHAIR: Michael J. Dear, University of California, Berkeley
 Panelists: Michael J. Dear, University of California, Berkeley;
 James A. Ketchum, Association of American Geographers; Sarah Luria, College of the Holy Cross; Douglas Richardson, Association of American Geographers
 Authors: Martin Hogue, Syracuse University; Barbara J. Eckstein, University of Iowa; Karen Kemp, University of Redlands
- 4616. Cultural Geography - Religion**
Room: 616 - Washington State Convention Center, Level 6
 (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Clarissa T Kimber, Texas A&M University
4:40 Klaus D. Gurgel*, Weber State University / retired, *Beyond the Mormon Culture Region: An Historical Geography of Mormonism in Oregon, 1850-2010.*
5:00 Katie Berchak*, LSU, Baton Rouge Community College & River Parishes Community College, *Putting a Saint in Her Place: St. Frances Cabrini & New Orleans.*
5:20 Iain Wallace, Prof.*, Carleton University, *Governmentality, Globalization, and the Gospel: Can a Worldwide Church be "Anglican"?*
5:40 Justin Wilford*, University of California Los Angeles, *Losing Religion: Towards a Strong Cultural Geography of Religion.*
6:00 Clarissa T Kimber, PhD Professor Emeritus*, Texas A&M University, *The Water Ceremony and its integration into the Peyote ritual used in the Native American Church of North America.*
- 4617. Environmental Dimensions of Cultural Perception**
Room: 617 - Washington State Convention Center, Level 6
 (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Jeffrey A. Gritzner, University Of Montana
4:40 Stephanie Meador*, University of Kansas, *Smell-scapes: A Scented Mental Map of the U. S.*
5:00 Liane Brouillette*, University of California, Irvine; Karen Gibbs, National Geographic Education Foundation, *California Surf Music and the Rise of Youth Environmental Awareness.*
5:20 Jon C. Malinowski*, U.S. Military Academy, *The New Topographics Movement and Depictions of Landscape Today.*
5:40 Dusty Waltner, Department of Geography*, The University of Montana; Ulrich Kamp, Department of Geography, Department of Geography, The University of Montana; Thomas Sullivan, Department of Geography, Department of Geography, The University of Montana, *Evaluating Repeat Photography in Documenting Natural and Cultural Landscape Changes: a Changing*
- Crown of the Continent Ecosystem between 1870 and 2010.*
- 6:00** Jeffrey A. Gritzner, Professor*, The University of Montana, *Late Pleistocene Civilization.*
- 4618. Teaching Regional Geography of High Asia (Sponsored by Asian Geography Specialty Group, Geography Education Specialty Group, Mountain Geography Specialty Group)**
Room: 618 - Washington State Convention Center, Level 6
 (Panel Session)
 ORGANIZER(S): Sarah J. Halvorson, The University of Montana; Kathleen O'Reilly, Texas A&M University
 CHAIR(S): Sanjay K Nepal, Texas A&M University
 Panelists: Barbara Brower, Portland State University; Keith Bosak; Sarah J. Halvorson, The University of Montana; Susan M. Walcott, University of North Carolina-Greensboro; David N. Zurick, Eastern Kentucky University; Pradyumna P. Karan, University Of Kentucky
- 4619. Peri-urban natures: renegotiations and reinterpretations of peri-urban places and concepts, session 3**
Room: 619 - Washington State Convention Center, Level 6
 (Paper Session)
 ORGANIZER(S): Mattias Qvistrom, Swedish Univ of Agricultural Sciences; Jay Bolthouse, The University of Tokyo
 CHAIR(S): Vera Vicenzotti, Technische Universität München
4:40 Darryl C Low Choy, Associate Professor*, Griffith University, *New Settlements on the Edge.*
4:56 Amy M. Lerner*, University of California, Santa Barbara; Stuart Sweeney, University of California, Santa Barbara, *Characterizing peri-urban space: Land-use and livelihoods across a rural-urban gradient in the Toluca Metropolitan Area, Mexico.*
5:12 Andrew Norris, M.A. Student*, University of Kansas, *Land Tenure Transformation in Peri-Urban San Luis Potosi, SLP, Mexico.*
5:28 Fabian De Smet*, university of liège, *Is peri-urban area morphologically characterizable? Study of peri-urban forms in Liège (Belgium).*
5:44 Elke Vanempen*, University of Leuven & Erasmus University College Brussels; Bruno De Meulder, University of Leuven, *The peri-urban laboratory: Strategies for open space development in Brussels and Paris.*
- 4620. Mobilities, Borders, and Imprisonment IV: Conceptualizing Migration-related Detention (Sponsored by Political Geography Specialty Group, Ethics, Justice, and Human Rights Specialty Group)**
Room: 620 - Washington State Convention Center, Level 6
 (Paper Session)
 ORGANIZER(S): Nancy A. Hiemstra, Syracuse University; Lauren Martin, University of Kentucky
 CHAIR(S): Nancy A. Hiemstra, Syracuse University
4:40 Jennifer Ridgley*, Center for Place, Culture and Politics, CUNY, *The legacy of war: Migration-related detention and the restructuring of the INS in the 1940s.*
5:00 Susan Coutin, Ph.D.*, University of California, Irvine, *Removed Landscapes: Place and Presence within Salvadoran Deportees' Narratives of Exile.*
5:20 Lauren Martin*, University of Kentucky, *Domesticating Detention, Securitizing the Home: Contested imaginaries of US immigrant family detention policy and practice.*
5:40 Andrew Burrige, PhD*, International Boundaries Research Unit, Durham University, *Short-term and Mobile Spaces of Detention in the Mexico-U.S. Borderlands.*
 Discussant(s): Carl Thor Dahlman, Miami University

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- 4624. Discourse Analysis and Urban Research 2: Texts, Images, Artifacts (Sponsored by Qualitative Research Specialty Group, Geographic Perspectives on Women Specialty Group, Urban Geography Specialty Group)**
 Room: 301 - Washington State Convention Center, Level 3
 (Paper Session)
 ORGANIZER(S): Leslie Kern, Mount Allison University; Tiffany K. Muller Myrdahl, University of Lethbridge
 CHAIR(S): Tiffany K. Muller Myrdahl, University of Lethbridge
 4:40 John Stuart Ridout, MCRP*, Clemson University; Anne E. Dunning, Ph.D., *Automobile Advertising and the Urban/Rural Divide*.
 5:00 Anne Dölemeyer, Dipl.-Pol., Department of Political Sciences, Leipzig University, Germany; Mathias Rodatz, Dipl.-Pol.*, Department of Human Geography, Goethe-University Frankfurt, Germany, *Putting urban government in its places. On actor-network theory as a framework for the study of urban governmentality*.
 5:20 Hilda Kurtz*, University of Georgia, *Whither the war gardens? Discourses of urban change in emergent peace time*.
 5:40 Brenda A Kayzar*, University of Minnesota, *Decentering the Discourse: Comprehending urban change as an effect of heterogeneous associations*.
- 4625. Medical and Health Geography**
 Room: 302 - Washington State Convention Center, Level 3
 (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Michelle Calvarese, California State University, Fresno
 4:40 Wei Tu*, Georgia Southern University, *Analyzing Low Birth Weight Incidence in the State of Georgia using Multilevel Logistic Regression Models*.
 5:00 Brian H Bossak, PhD, MPH*, Jiann-Ping Hsu College of Public Health, *Modeling the Black Death: GIS-based Mortality Maps of an Historic Pandemic*.
 5:20 Sam Copeland*, SUNY Buffalo; Ling Bian, Ph.D., SUNY Buffalo, *Modeling Fine Scale Influenza Transmission*.
 5:40 Eric DAUDE*, Emmaniel Eliot, University of Rouen; Emmanuel Bonnet, University of Caen, *Causality in epidemic studies: comparative approaches*.
 6:00 Michelle Calvarese, Ph.D.*, California State University, Fresno, *Job Satisfaction, Stress and Health: A microanalysis of California State University, Fresno students*.
- 4626. African Ethnobotany in the Americas (Sponsored by Cultural and Political Ecology Specialty Group, Latin America Specialty Group, Biogeography Specialty Group)**
 Room: 303 - Washington State Convention Center, Level 3
 (Paper Session)
 ORGANIZER(S): Robert Voeks, California State University Fullerton; Erica Moret, Oxford University
 CHAIR(S): Robert Voeks, California State University Fullerton
 4:40 Erica Moret, Dr*, Oxford University, *Trans-Atlantic Diaspora Contributions to Post-Soviet Cuban "Coping Strategies", Identity, Geopolitics & Ecology*.
 5:00 Maria Fadiman, PhD*, Florida Atlantic University, *Palm Use and Forest Conservation: Utilization and Protection of Pambil, Iriartea Deltoidea, (Arecaceae) in Ecuador*.
 5:20 Judith Carney*, UCLA, *The African Components of the Columbian Exchange*.
 5:40 Robert A Voeks*, California State University Fullerton, *African Ethnobotany in Brazil: Botanical Conversations in the Black Atlantic*.
 6:00 John Richard Stepp*, University of Florida, *Garifuna Traditional Knowledge and Natural Resource Management in Southern Belize*.
- 4627. Environment and Economy in Contemporary Africa**
 Room: 304 - Washington State Convention Center, Level 3
 (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Sheryl Quail, University of Florida/USGS
 4:40 Naa Ansa Ansa-Koi*, Miami University, *Oil Discovery and Ghana's Artisanal Fisheries Sector*.
 5:00 Leo C Zulu*, Michigan State University, *Can Enterprise-Based CBNRM Deliver Sustained Economic and Ecological Benefits in Africa? Early Lessons from Malawi*.
 5:20 Kevin Gibbons*, University of Wisconsin-Madison, *Illegal Nets, Hunger, and Effective Fisheries Governance on Lake Victoria, Uganda*.
 5:40 Mark Gardiner*, Stanford University, *"Green" uranium: managing brands and environments in Namibia*.
 6:00 Sheryl Quail, PhD Student*, University of Florida/Tanzania Forest Conservation Group/USGS, *REDD versus Shifting Agriculture: Using Opportunity Costs and Scenario Modeling for REDD Site Selection and Leakage Prediction in Tanzania*.
- 4628. Sedimentary Perspectives on Paleoenvironmental Change III (Sponsored by Paleoenvironmental Change Specialty Group, Biogeography Specialty Group, Geomorphology Specialty Group)**
 Room: 305 - Washington State Convention Center, Level 3
 (Paper Session)
 ORGANIZER(S): Kevin Spigel, Unity College; Samantha Kaplan, University of Wisconsin - Stevens Point
 CHAIR(S): Kevin Spigel, Unity College
 4:40 Sheryl Luzzadder-Beach*, George Mason University; Timothy Beach, Georgetown University; Douglas Howard, University of Tennessee-Knoxville; Katarina Doctor, George Mason University; Jonathan Flood, George Mason University, *Tracing Ancient Human Terrain in the Maya Lowlands*.
 5:00 Jonathan Michael Flood, PhD student*, George Mason University, *Water Management in Neopalatial Crete: Understanding Drought and Human Response through Geoarchaeology*.
 5:20 Jeremiah P. Marsicek*, University of Wyoming, Department of Geology and Geophysics; Simon C. Brewer, PhD, University of Wyoming, Department of Botany; W. Wyatt Oswald, PhD, Emerson College, Department of Communication Sciences and Disorders; David R. Foster, PhD, Harvard Forest, Harvard University; Bryan N. Shuman, PhD, University of Wyoming, Department of Geology and Geophysics, *Quantifying hydroclimatic changes to evaluate mid-Holocene droughts in the northeastern U.S.*
 5:40 Marc Oliva*, University of Lisbon; Antonio Gómez Ortiz, University of Barcelona, *Late Holocene palaeoenvironmental history of a high mountain environment from the Mediterranean region (Sierra Nevada, Southern Spain) inferred from sedimentary records and historical sources*.
 6:00 Sonja Hausmann, PhD*, University of Arkansas; Byron Winston, University of Arkansas; Joe Nix, Prof., Ouachita Baptist University, *Mercury, Nitrogen and Diatoms in a Drinking Water Reservoir in Arkansas*.

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- 4629. The SAGE Handbook of Economic Geography: economic geography in retrospect and prospect (Sponsored by Economic Geography Specialty Group)**
Room: 306 - Washington State Convention Center, Level 3
(Paper Session)
ORGANIZER(S): Andrew Leyshon, University of Nottingham; Roger Lee, Queen Mary, University Of London
CHAIR(S): Andrew Leyshon, University of Nottingham
Introducer: Andrew Leyshon
Panelists: Michael Pryke, open university; Louise C. Johnson, Deakin University; Michael Eric Samers, University Of Kentucky
- 4630. Diffusion of Modernization and Globalization (Sponsored by Latin America Specialty Group)**
Room: 307 - Washington State Convention Center, Level 3
(Paper Session)
ORGANIZER(S): Matthew Fry, University of North Texas
CHAIR(S): Matthew Fry, University of North Texas
4:40 Matthew Fry*, University of North Texas, *Modernized and Globalized: Portland Cement in Mexico's Landscape.*
5:00 Matthew LaFevor*, The University of Texas at Austin, *Ice Harvesting in Colonial Mexico.*
5:20 Scott Brady, Professor*, CSU-Chico, *California Crawdads and "Asian Cajuns": Incidental Aquaculture in California's Central Valley.*
5:40 Joby Bass*, University Of Southern Mississippi, *Assessing Modernization in Honduras Using Repeat Photography.*
6:00 Craig S. Revels*, Central Washington University, *Oil Palms in Honduras: Global Impulses and Local Landscapes on the North Coast.*
- 4631. Water, Climate & Development: Strengthening the Links Between the Sectors (Sponsored by Human Dimensions of Global Change Specialty Group, Climate Specialty Group, Water Resources Specialty Group)**
Room: 308 - Washington State Convention Center, Level 3
(Paper Session)
ORGANIZER(S): Caitlin Werrell; Swathi Veeravalli, Oxford University
CHAIR(S): Alex Guerra Noriega, Climate Change Research Institute, Guatemala
Discussant(s): Carl J Bauer, University of Arizona; Margaret Wilder, University of Arizona
Panelists: Wiley C. Thompson, United States Military Academy; Sandra R. Baptista, The Earth Institute at Columbia University; In-Young Yeo, University of Maryland - College Park; Arnd Holdschlag, Institute of Geography, University of Hamburg; Aaron Wolf, Oregon State University; Cheryl Anderson, Hazards, Climate, & Environment Program, University of Hawaii Soc Sci Research
- 4635. Climate Change and Development: Intersections, Contradictions, Opportunities (II) (Sponsored by Cultural and Political Ecology Specialty Group, Development Geographies Specialty Group)**
Room: 3B - Washington State Convention Center, Level 3
(Paper Session)
ORGANIZER(S): Farhana Sultana, Syracuse University; Edward R Carr, University of South Carolina
CHAIR(S): Edward R Carr, University of South Carolina
Panelists: David Simon, Royal Holloway, University Of London; Arun Agrawal, University of Michigan; Farhana Sultana, Syracuse University; Brent McCusker, West Virginia University; Erik Swyngedouw, University of Manchester
- 4636. A Dog is Always More than a Dog: Canine Issues, East-West (Sponsored by Animal Geography Specialty Group)**
Room: 201 - Washington State Convention Center, Level 2
(Paper Session)
ORGANIZER(S): Rene Marquez, Department of Art, University of Delaware; Claire Huot, University of Calgary
CHAIR(S): Rene Marquez, Department of Art, University of Delaware
4:40 Claire Huot, associate professor*, University of Calgary, *The difference a Dot Makes: The Dog and the Human in Chinese Civilization.*
5:00 Rene Marquez, MFA*, Department of Art, University of Delaware, *Magbago: Philippine Dogs and "Change".*
5:20 Priscilla Paton*, St. Olaf College, *Big American Dog: Cold-Climate Teddy Bear or Deployed Marine Sergeant.*
5:40 Kathleen Vaughan*, Concordia University, *Walking with a ghost dog: Rituals of mourning and place making in graphic novel form.*
Discussant(s): Claire Elaine Rasmussen, University Of Delaware
- 4637. Urban Growth and the Environment (Sponsored by Landscape Specialty Group, Urban Geography Specialty Group)**
Room: 202 - Washington State Convention Center, Level 2
(Paper Session)
ORGANIZER(S): Bradley Bereitschaft, University of North Carolina at Greensboro
CHAIR(S): Bradley Bereitschaft, University of North Carolina at Greensboro
4:40 Sean Sloan*, The University of Melbourne, *Development-Driven Tropical Forest Regeneration: The Tropical Forest Transition.*
5:00 Sue-Ching Jou*, National Taiwan University; Ling-Tuan Liu, National Taiwan University, *Neoliberal Nature and Birdwatchers' "Urban Eden" in Taipei - the role of NGOs in urban wetland governance.*
5:20 Sanglim Yoo*, Department of Environmental Studies, State University of New York, College of Environmental Science and Forestry; John E. Wagner, Ph.D., Department of Forest and Natural Resources Management, State University of New York, College of Environmental Science and Forestry; Lianjun Zhang, Ph.D., Department of Forest and Natural Resources Management, State University of New York, College of Environmental Science and Forestry; John McPeak, Ph.D., Department of Public Administration, Syracuse University; Peter J. Wilcoxon, Ph.D., Department of Economics and Public Administration, Syracuse University, *Measuring Amenity Benefits from Urban Open Space: A Hedonic Approach.*
5:40 Tabitha A Spence, M.A. student*, University of Arizona; Christopher Scott, PhD, University of Arizona, *Wastewater Flows, Urban Farming and the Future of Urban Environmental Quality in Addis Ababa.*
6:00 Bradley Bereitschaft*, University of North Carolina at Greensboro, *Urban Form and Air Quality in U.S. Metropolitan and Megapolitan Areas.*
- 4638. Urban and Regional Development in US, Europe and India: Patterns and Policies (Sponsored by Regional Development and Planning Specialty Group)**
Room: 203 - Washington State Convention Center, Level 2
(Paper Session)
ORGANIZER(S): Sudhir K. Thakur, California State University Sacramento
CHAIR(S): Sandy Dall'erba, University of Arizona
4:40 Sandy Dall'erba*, University of Arizona, *Assessing the impact of US regional development policies: a spatial econometric approach.*

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5:00 Jerzy Banski, Professor*, Institute of Geography and Spatial Organization PAS, *Dilemmas for regional development - the case of Poland.*

5:20 Sudhir K. Thakur*, California State University Sacramento, *Spatial Convergence or Divergence of Income Inequality in India: 1961-2007.*

5:40 Helka Moilanen*, University of Turku, *Regional development zones in Finland: spatial visions and concrete tools of regional development.*

6:00 Rajrani Kalra*, California State University, San Bernardino, *High Technology and Urban Development in Delhi Metropolitan Area.*

4639. Geographies of Literature and Language

Room: 204 - Washington State Convention Center, Level 2 (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): John J Flynn, St Catherine University

4:40 Julie Sanders, Professor of English Literature and Drama*, University of Nottingham; Stephen Daniels, Professor of Cultural Geography, University of Nottingham, *Literary Geographies.*

5:00 Ramesh Dhussa*, Drake University, *Literary Geography: An Interdisciplinary Approach to the Study of Space and Place.*

5:20 Hannah J. Haynie*, University of California, Berkeley, *Language geography in California's Sierra Nevada mountains.*

5:40 Olga H. Mayorga*, *Development and Trends of the Ancient Language of Ecuador, Through Cartographic Representation.*

6:00 John J Flynn*, St Catherine University, *Artistic and Literary Creations of Asians in Minnesota.*

4640. Conservation Struggles, Tourism Encounters: critical geographies of tourism as conservation (Sponsored by Recreation, Tourism, and Sport Specialty Group, Cultural and Political Ecology Specialty Group, Development Geographies Specialty Group)

Room: 205 - Washington State Convention Center, Level 2 (Paper Session)

ORGANIZER(S): Jennifer Ann Devine, University of California, Berkeley; Diana Ojeda, Clark University

CHAIR(S): Jennifer Ann Devine, University of California, Berkeley

4:40 Sarah Brown*, University of British Columbia, *Gringo Politics.*

4:55 Susan Aragon*, Clark University, *Paradoxes of Conservation: The Invisibility of Emerging Ecologies and Complex Social Networks in Chiapas, Mexico.*

5:10 Jennifer Devine*, University of California, Berkeley, *Tourism as Conservation: ongoing primitive accumulation in the Mayan Biosphere Reserve.*

5:25 Ignacio A Krell Rivera, MA candidate*, U of Oregon, *"Development with Identity", Tourism and Mapuche Struggles in Chile: unpacking ethno-tourism discourse and practice.*

5:40 Diana Ojeda*, Clark University, *Whose "Paradise"? Tourism, Conservation and the Neoliberal Project in Tayrona National Park (Colombia).*

Discussant(s): Mimi Sheller, Drexel University; Daniel Brockington

4641. Author meets the Critics: Shannon O'Lear's 'Environmental Politics' (Sponsored by Political Geography Specialty Group)

Room: 206 - Washington State Convention Center, Level 2 (Panel Session)

ORGANIZER(S): Jason Dittmer, University College London

CHAIR(S): Jason Dittmer, University College London

Panelists: Klaus Dodds, Royal Holloway, University of London; Simon Dalby, Carleton University; Virginie Mamadouh, University of Amsterdam; Philippe Le Billon, University of British Columbia; Shannon O'Lear, University of Kansas

4642. Geographies of Alienation (Sponsored by Socialist and Critical Geography Specialty Group)

Room: 211 - Washington State Convention Center, Level 2 (Paper Session)

ORGANIZER(S): Christian Anderson, The City University of New York - Graduate Center

CHAIR(S): Jesse Goldstein, City University of New York
Introducer: Christian Anderson

5:00 Tracey J Potts*, University of Nottingham, *"Tears for Souvenirs": Rethinking the Disaster of Disaster Kitsch.*

5:20 Dragos Simandan, PhD*, Brock University, *Distance and delays in geography.*

5:40 Clayton Rosati*, Bowling Green State University, *Rethinking the Fetishism of Commodities: On alienation and the issue of "self-expansion".*

6:00 Brett Story, PhD Student*, University of Toronto, *Solitary Confinement, Alienation, and the Ontology of the Individual in Modern Life.*

4643. Affinity and Geography II: Panel Discussion (Sponsored by Ethics, Justice, and Human Rights Specialty Group, Cultural Geography Specialty Group, Indigenous Peoples Specialty Group)

Room: 212 - Washington State Convention Center, Level 2 (Panel Session)

ORGANIZER(S): Soren Larsen, University of Missouri; Jay T. Johnson, University of Kansas

CHAIR(S): Jay T. Johnson, University of Kansas

Discussant(s): Mark H. Purcell, University of Washington; Richard S. Day, Queens University

Panelists: Jay T. Johnson, University of Kansas; Christina E. Dando, University of Nebraska-Omaha; Nicholas Crane, Ohio State University; Sasha Davis, University of Hawaii - Hilo

4644. Sources for Innovation Development in Russian Regions: Trends and Threats (Sponsored by Russian, Central Eurasian, and East European Specialty Group)

Room: 213 - Washington State Convention Center, Level 2 (Paper Session)

ORGANIZER(S): Mary Elizabeth Malinkin, Kennan Institute
CHAIR(S): Beth Mitchneck, University of Arizona

4:40 Natalia Klimenko*, I. Kant State University of Russia, *Geographical Concept of Territorial Planning: New Challenges.*

4:58 Denis Fiskov*, South Federal University, *The Rostov Region Innovation Strategy: Goals, Objectives, Priority Directions.*

5:16 Nikolay Potorochenko*, Russian Academy of Sciences, Irkutsk, *The Strategic Dilemma of Regional Innovative Development.*

5:34 Tagir Khuziyatov*, Far Eastern Federal University, *The Crisis and Beyond: Relations between Innovative Economy and Regional Development.*

5:52 Artem Rykun*, Tomsk State University, *"We Have to Keep Them Here": the Possibility of Turning Tomsk Region into Silicon Valley.*

Discussant(s): Jessica K. Graybill, Colgate University

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- 4645. GIS and Health Geography (Sponsored by Geographic Information Science and Systems Specialty Group, Urban Geography Specialty Group, Health and Medical Geography Specialty Group)**
Room: 214 - Washington State Convention Center, Level 2
(Paper Session)
ORGANIZER(S): Joseph R Oppong, University of North Texas
CHAIR(S): Joseph R Oppong, University of North Texas
4:40 Joseph R Oppong*, University of North Texas; Chetan Tiwari, University of North Texas; Sonia Arbona, Texas Department of State Health Services, *Is There a Generalized HIV Epidemic in Impoverished Urban Areas of Texas?*
5:00 Libbey Kutch*, University of North Texas; Joseph Oppong, PhD, University of North Texas; Chetan Tiwari, PhD, University of North Texas, *Characteristics of Neighborhoods Close to Prison Units in Texas with High Rates of HIV/AIDS*
5:20 Chetan Tiwari*, University of North Texas; Joseph Oppong, University of North Texas, *A Method for Optimizing Disease Maps to Predefined Regions of Similar Risk*
5:40 Soumya Mazumdar*, Columbia University, *The spatial clustering of autism in California*
6:00 R. Ryan Lash*, The University of Georgia; Scott C. Lane, Rickettsial Zoonoses Branch, U.S. Centers for Disease Control and Prevention; William L. Nicholson, PhD, Rickettsial Zoonoses Branch, U.S. Centers for Disease Control and Prevention, *Modeling the Ecological Niche of Rickettsial diseases in Africa*
- 4646. Taking matters into third hands: intermediaries and the organization of the creative economy. 4. Place and path dependencies (Sponsored by Urban Geography Specialty Group, Cultural Geography Specialty Group, Economic Geography Specialty Group)**
Room: 2A - Washington State Convention Center, Level 2
(Paper Session)
ORGANIZER(S): Doreen Jakob, UNC Chapel Hill / Center for Metropolitan Studies Berlin; Bas Van Heur, Maastricht University
CHAIR(S): Galina Gornostaeva, London School of Economics and Political Science
4:40 Carl Grodach*, University of Texas Arlington, *Cultural Planning in a Creative City: The Role of Context, Institutions, and Process*
5:00 Norma Rantisi*, Concordia University; Deborah Leslie*, University Of Toronto, *The Role of Localized Institutions in 'Path Creation': the Case of the Cirque du Soleil*
5:20 Naomi Bartz, PhD Student*, University of Chicago, *The Emergence of a Neighborhood-Level Creative Economy and the Various Intermediaries that Shape it: Divergent Models, Uneasy Alliances, and Unexpected Tensions across Stakeholder Groups in a Pluralistic Political Arena*
5:40 Ozge Oner, MSc, PhD Candidate*, Jönköping International Business School, *Location of Recreation: A probability presence approach*
- 4647. Climate and Sustainability**
Room: 2B - Washington State Convention Center, Level 2
(Illustrated Paper Session)
ORGANIZER(S): Program Committee
CHAIR(S): Lauren Fossile, UNLV, SEPA
4:40 David Retchless*, The Pennsylvania State University, *Public Perceptions of Spatial Analogs for Climate Change: A Survey of Centre Region, Pennsylvania Residents*
4:48 Gregory S Bohr*, California Polytechnic State University, San Luis Obispo, *Trends in Climatic Indicators in California Related to Wine-Grape Production*
- 4:56** Mark L Hildebrandt*, Southern Illinois University Edwardsville; Stephanie Sharpe, Southern Illinois University Edwardsville; Pramithus Khadka, Southern Illinois University Edwardsville, *Analysis of Inter-seasonal Inversions from 2000-2010 in an Alpine Valley: Silverton, Colorado (USA)*
5:04 Hui Xu*, MSU, *Understanding the diversity of paddy-rice management and its impacts on Nitrogen Loss in Anji County, Zhejiang Province, China*
5:12 Joshua Conner*, University of Arizona; Donald A Falk, University of Arizona; Stephen R Yool, University of Arizona; Robert Parmenter, Valles Caldera National Preserve, *Stochastic Modeling Of Fire Regimes In Montane Grasslands And Forest Ecotones Of The Valles Caldera National Preserve, New Mexico, Usa*
5:20 Lauren Michelle Fossile*, UNLV, SEPA; William J. Smith, Ph.D., UNLV, SEPA, *Perceptions, Preferences, and Attitudes of Nevada's Urban Energy Utilities Regarding Climate Change*
5:28 Richard A. Earl*, Texas State University, *Sustainability: An Essential and Useful Geographic Topic for Campus-wide Engagement*
5:36 Matthew B. Pace*, Arizona State University; Kimberly DeBiasse, Arizona State University; Randall S. Cerveny, Arizona State University, *Defining the North American Monsoon using Climatological Isentropic Analysis*
5:44 Lauren Weaver*, University of Louisville, *A comparison of the Ecological Footprint Accounts of an ecovillage and a suburb*
- 4649. Geography in the Americas: Roundtable of Geography Organizations of the Region on Addressing Key Challenges in Society (Sponsored by Association of American Geographers)**
Room: Alki / Dashpoint Sheraton Hotel, Pike Tower, Fourth Floor
(Paper Session)
ORGANIZER(S): Patricia Solis, AAG
CHAIR(S): Patricia Solis, AAG
Panelists: Patricia Solis, AAG; Santiago Borrero, PAIGH; Mark L. Demulder, United States Geological Survey; Ronald F. Abler, International Geographical Union; Irasema Alcántara-Ayala, Universidad Nacional Autónoma De México (UNAM) Instituto De Geografía; Carlos Morera, Geography School, National University Of Costa Rica; Carol P. Harden, University of Tennessee
- 4650. GIS for Data Exploration and Visualization**
Room: Boren - Sheraton Hotel, Union Tower, Fourth Floor
(Paper Session)
ORGANIZER(S): Program Committee
CHAIR(S): Warren Jochem
4:40 Wei Luo*, GeoVISTA Center, Department of Geography, Penn State University; Peifeng Yin, Department of Computer Science and Engineering, Penn State University; Frank Hardisty, GeoVISTA Center, Department of Geography, Penn State University; Justine Blanford, GeoVISTA Center, Department of Geography, Penn State University; Alan M MacEachren, GeoVISTA Center, Department of Geography, Penn State University, *Spatial social network visual analytic tool*
5:00 Melissa Joy Rura*, University of Texas At Dallas, *Eigenvector Image Spatial Filtering*
5:20 Chen-Chieh Feng*, Geography, National University of Singapore; Liang Yu, Geography, National University of Singapore, *Event-Based Ontology for Geoprocessing Provenance*
5:40 Warren Christopher Jochem*, University of Colorado at Boulder, *An Approach to Parallel Geoprocessing with Python*

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Room: Columbia - Sheraton Hotel, Union Tower, Fourth Floor
(Paper Session)

ORGANIZER(S): Fred M. Shelley, University of Oklahoma

CHAIR(S): Fred M. Shelley, University of Oklahoma

4:40 John Heppen*, University Of Wisconsin River Falls, *A Geographic Comparison Between the Elections of 1860 and 2008.*

5:00 Kevin Raleigh*, University of Cincinnati; Colleen McTague, University of Cincinnati, *Will My First Time Be My Last? An Analysis of First-time Voters in the 2008 Elections.*

5:20 Ryan Douglas Weichelt*, University of Wisconsin-Eau Claire, *Political Upheaval: Changing Electoral Patterns in Wisconsin Politics.*

5:40 Erin H. Fouberg*, Northern State University, *Identity and Scale: Voting Behavior in South Dakota.*

6:00 Necati Anaz*, University of Oklahoma; Arif Keceli, University of Oklahoma; Fred Shelley, University of Oklahoma, *Socio-spatial analysis of the Turkish referendum and the Turkish Exceptionalism.*

4654. Global Cities and Global space

Room: Pike - Sheraton Hotel, Union Tower, Fourth Floor
(Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Jae Soen Son, UNC-Charlotte

4:40 Jay Knox*, The Ohio State University, *Maneuvering global spaces by marketing local places: The process and practice of Downtown revitalization in Midwestern cities..*

5:00 Ulrike Gerhard*, University of Wuerzburg, *Reurbanisation - - Fiction or Reality? A Global City Perspective.*

5:20 Xu Xu*, The University of Hong Kong, *The Role of the State in Developing Gateway Cities in China: The Case of Ningbo City.*

5:40 Christopher N.H. Doll*, United Nations University - Institute of Advanced Studies; Alexandros Gasparatos, United Nations University - Institute of Advanced Studies, *The global ecosystem of cities: A (unified) theory of urbanization.*

6:00 Jae Soen Son*, UNC-Charlotte, *The Classification of Global Cities: the comparison of the principal component analysis, k-means clustering, and the self-organizing map.*

4656. Jennifer DeHart Memorial Session

Room: Seneca - Sheraton Hotel, Union Tower, Fourth Floor
(Interactive Short Paper Session)

ORGANIZER(S): Michael W. Mayfield, Appalachian State University

CHAIR(S): Michael W. Mayfield, Appalachian State University
Introducer: Michael W. Mayfield

4:44 John T. Morgan*, Emory & Henry College, *Maintaining the Cabbage Collard Tradition.*

4:49 Michael W. Mayfield*, Appalachian State University, *Geography in General Education Curricula.*

4:54 Edward H. Davis*, Emory & Henry College, *Geography of the Climate Protection Movement.*

4:59 Glenn Hyman*, CIAT; Peter Minang, World Agroforestry Center, *Development Pathways and Their Implications for Carbon Stocks in the Central Peruvian Amazon.*

4658. Using Local Knowledge to Understand Land Use/Land Cover Change at Long Term Ecological Research (LTER) Sites (Sponsored by Human Dimensions of Global Change Specialty Group)

Room: University - Sheraton Hotel, Union Tower, Fourth Floor
(Panel Session)

ORGANIZER(S): Nathan F. Sayre, University of California, Berkeley; Gary Kofinas, University of Alaska Fairbanks

CHAIR(S): Nathan F. Sayre, University of California, Berkeley

Discussant(s): Nathan F. Sayre, University of California, Berkeley

Panelists: Laura C. Schneider, Rutgers University; Rinku Roy

Chowdhury, Indiana University; John A. Harrington,

Kansas State University; Robert Gilmore Pontius,

Clark University; Patrick Bourgeron, University

of Colorado at Boulder; Hannah Gosnell, Oregon

State University; Gary Kofinas, University of Alaska

Fairbanks; Milan Shrestha

4659. Commuting (Sponsored by Transportation Geography Specialty Group)

Room: Virginia - Sheraton Hotel, Union Tower, Fourth Floor
(Paper Session)

ORGANIZER(S): Julie Cidell, University of Illinois

CHAIR(S): Jeffrey J. Axisa

4:40 Jeffrey J. Axisa*, TransLAB, McMaster University; Darren M. Scott, TransLAB, McMaster University; K. Bruce Newbold, McMaster University, *Migration and Longer Distance Commuting in Toronto's Shadow.*

5:00 Meng Guo*, *Commuting efficiency and urban structure in urban China: A case study of Nanjing.*

5:20 Woo Jang*, University of Georgia; Xiaobai Yao, University of Georgia, *Spatiotemporal Analysis of Hispanic Commuting Patterns in Atlanta Metropolitan Area, GA.*

5:40 Bradley S. Neish*, ORNL; Eddie A Bright, ORNL; Budhendra L Bhaduri, ORNL, *Modeling populations in transit: Commuting patterns in three metropolitan areas.*

6:00 Changjoo Kim*, University of Cincinnati; Yongwan Chun, University of Texas at Dallas; Sunhee Sang, University of Cincinnati, *Spatial Differences in Urban Commuting by Race and Occupation.*

4661. Race and Space 3: Re-investments and crisis

Room: Ballard - Sheraton Hotel, Pike Tower, Third Floor
(Paper Session)

ORGANIZER(S): Kate Derickson, University of Glasgow;

Rachel Brahinsky, University of California - Berkeley

CHAIR(S): Matthew Mitchelson, Dartmouth College

4:40 Matthew Anderson*, University of Illinois at Urbana-Champaign; Carolina Sternberg, University of Illinois at Urbana-Champaign, *Intra-Urban Contingency, Race, and Neoliberal Redevelopment Governance: A Comparative Analysis of Chicago's Bronzeville and Pilsen.*

5:00 Catherine Guimond*, University of California, Berkeley, *Urban renewal as redefining difference: race, space, community, and capital in the South Bronx.*

5:20 Richard A. Schroeder*, Rutgers University, *Apartheid's Legacy in a Frontline State: South African Investors and Race Relations in Tanzania.*

5:40 Gabriela Brindis*, Kent State University, *Negotiating identities and public spaces: the case of the Abolition of Slavery Memorial in Nantes, France.*

Discussant(s): Juan David De Lara, University of Southern California

FRIDAY, APRIL 15 • 4:40 PM - 6:20 PM • 4600**4664. The politics of a different city: change beyond consensus? (Session 3 - Place, Proximity and Politics)**

Room: *Fremont - Sheraton Hotel, Union Tower, Third Floor*
(Paper Session)

ORGANIZER(S): Mark Davidson, Clark University; Deborah G. Martin, Clark University

CHAIR(S): Mark Davidson, Clark University

4:40 Deborah G. Martin*, Clark University; Joseph Pierce, Clark University, *Relational place-making: theorizing place for post-politics.*

5:00 Derek Ruez*, University of Kentucky, *Tolerance, Sensitivity, and Propriety: Islam, Urban Space, and the Annihilation of Politics.*

5:20 Katherine B. Hankins*, Georgia State University; Andy Walter, University of West Georgia, *Strategic neighboring: Asserting the politics of the everyday in the inner city.*

Discussant(s): David Madden

4665. China: Energy & Environment III (Sponsored by China Specialty Group)

Room: *Greenwood - Sheraton Hotel, Union Tower, Third Floor*
(Paper Session)

ORGANIZER(S): Piper Gaubatz, University Of Massachusetts

CHAIR(S): Gregory Veeck, Western Michigan University

4:40 Kathleen Buckingham*, Oxford University, *Forest certification with Chinese Characteristics: state appropriation of a non-state market driven mechanism.*

5:00 Eric Foster-Moore, MS Candidate*, Oregon State University, *Dams and Development in China.*

5:20 Noah Schillo*, Simon Fraser University, *Planning Ecological Restoration for Southwest China's Rubber Plantations: Insights from Political Ecology and Farmers' Perspectives in Xishuangbanna.*

Discussant(s): Gregory Veeck, Western Michigan University

4667. Development

Room: *Issaquah B - Sheraton Hotel, Union Tower, Third Floor*
(Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Julie Klinger, Graduate Student

4:40 Joseph Koroma*, Olympic College; Joseph Koroma, Ph.D., Olympic College, *An analysis of the spatial variation of Human Development and selected Millennium Development Goal indicators across African countries..*

5:00 Michiyo Kakegawa*, University of California, Santa Cruz, *Political economy of safeguard policy update process - Case study of the Asian Development Bank.*

5:20 Angel David Cruz Baez, Ph.D.*, University of Puerto Rico; Christopher Portell Rivera, student, University of Puerto Rico, *The Collapse of the Economic Development Models in Puerto Rico.*

5:40 John Onu Odihi, PhD*, Universiti Brunei Darussalam, *Structural Adjustment-Induced Underdevelopment and Sociomagnification In Nigeria.*

6:00 Julie Michelle Klinger*, University of California-Berkeley, *Soya and the Political Economy of China - Brazil Trade Relations: The Making of the 2006 Riots.*

4668. Urban Geography

Room: *Kirkland - Sheraton Hotel, Union Tower, Third Floor*
(Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Amy A Ratcliffe, The University of Western Ontario

4:40 Mark Fram*, University of Toronto, *Erratics of Urbanism: Boundary Conditions and Heterotopia within City and Suburb.*

5:00 Rama Mohapatra*, Minnesota State University Mankato; Greg Rybarczyk, Dr., University of Michigan-Flint, *Mapping Neighborhood Quality: An Integration of GIS and Data Reduction Techniques.*

5:20 Seth Lunine*, UC Berkeley, Graduate Student, *Suburban Jurisdiction and Entrepreneurial Governance in Metropolitan Oakland, 1890-1930.*

5:40 Glauco Bienenstein*, Universidade Federal Fluminense, *The Olympic Age of Rio de Janeiro City: some general remarks.*

6:00 Amy A Ratcliffe*, The University of Western Ontario; Jeff Hopkins, Dr., The University of Western Ontario, *Exploring places of acculturation: 'shared-spaces' in London, Ontario, Canada.*

4669. Participatory Mapping and GIS

Room: *Leschi - Sheraton Hotel, Union Tower, Third Floor*
(Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): David Higgitt, National University of Singapore

4:40 Matthew Hamilton*, UC Davis, *Application of Participatory Orthophoto Mapping for Monitoring and Evaluation of Integrated Water Resource Management.*

5:00 Ramakrishnan Alagan*, Alabama State University; Seela Aladuwaka, Alabama State University, *Integration of Social Impact Assessment and Participatory GIS: Lessons learned from Kalu Ganga Reservoir Project in Sri Lanka.*

5:20 Norma Minero*, Catholic Relief Services / Global Water Initiative, *"A Platform for Dialog": Potential for Participatory Orthophoto Mapping to create new forms of participation, communication and collaboration between local stakeholders and development practitioners.*

5:40 Bin Li*, Central Michigan University, *Quality Assessment of Participatory Map Annotations.*

6:00 David Higgitt*, National University of Singapore; Raymond Jinlaing Huang, National University of Singapore; Daryl Ruixiang Lam, National University of Singapore, *Participatory GIS to Raise Environmental Awareness among Students: Experiences from Singapore.*

4671. Spatial Analysis and Modeling Plenary Lecture and Geographical Analysis Reception (Sponsored by Spatial Analysis and Modeling Specialty Group)

Room: *Metropolitan Ballroom A - Sheraton Hotel, Third Floor*
(Paper Session)

ORGANIZER(S): Daniel A. Griffith, University of Texas - Dallas; Yongwan Chun, The University of Texas at Dallas

CHAIR(S): Daniel A. Griffith, University of Texas - Dallas

Introducer: Daniel A. Griffith

5:00 Geoffrey M Jacquez*, BioMedware, Inc., *Key problems and some solutions in geospatial health analysis.*

4672. Andy Isserman Memorial

Room: *Metropolitan Ballroom B - Sheraton Hotel, Third Floor*
(Panel Session)

ORGANIZER(S): Luc Anselin, Arizona State University

CHAIR(S): Luc Anselin, Arizona State University

Introducer: Luc Anselin

Panelists: Thomas Baerwald, National Science Foundation; Edward Feser, University of Illinois @ Urbana-Champaign; Robert Begg, Indiana University Of Pennsylvania; Amy Glasmeier, Pennsylvania State University; David A Plane, University of Arizona; Peter A. Rogerson, SUNY - Buffalo; James Westervelt; Michael Teitz, University of California, Berkeley

FRIDAY, APRIL 15 • 4:40 PM - 6:20 PM • 4600

- 4673. Author Meets Critics: "Black and Green: Afro-Colombians, Development, and Nature in the Pacific Lowlands." Durham, NC: Duke University Press. 2009**
Room: *Queen Anne - Sheraton Hotel, Union Tower, Third Floor* (Panel Session)
 ORGANIZER(S): Sharlene Mollett, Dartmouth College
 CHAIR(S): Sharlene Mollett, Dartmouth College
 Introducer: Sharlene Mollett
 Panelists: Bettina Ngweni, University of California, Davis; Joel D Wainwright, The Ohio State University; Joseph H. Bryan, University of Colorado, Boulder; Nicole-Marie Cotton, San Diego State University; Michael Dorsey, Dartmouth College; Kiran Asher
- 4674. Transportation Hazards and Disasters**
Room: *Ravenna - Sheraton Hotel, Union Tower, Third Floor* (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Kaveh Shahabi, USC Spatial Science Institute
4:40 Ujjaini Das*, University of Georgia, *Trading Trash: A Cross-National Study of Basel Convention Ratification.*
5:00 Hua Lu*, Centers for Disease Control and Prevention; Xingyou Zhang, Centers for Disease Control and Prevention; James B. Holt, Centers for Disease Control and Prevention, *Spatial and Temporal Analysis of Fatal Traffic Crashes by US Counties, 2000-2009.*
5:20 Munshi K Rahman*, Kent State University, *Maritime Ferry Disaster in Bangladesh.*
5:40 Chih-Yu Lai*, University of Oklahoma, *Examining the Risk Perception of Nuclear Waste Shipments in South Carolina by Applying Geographically Weighted Regression.*
6:00 Kaveh Shahabi*, University of Southern California; Daniel W. Goldberg, USC Spatial Science Institute; John P. Wilson, USC Spatial Science Institute, *Targeted Trojan Alerts: A location-based evacuation planning system.*
- 4675. Immigrant Geographies of North American Cities II (Sponsored by Population Specialty Group, Urban Geography Specialty Group, Ethnic Geography Specialty Group)**
Room: *Wallingford - Sheraton Hotel, Union Tower, Third Floor* (Paper Session)
 ORGANIZER(S): Wei Li, Arizona State University; Carlos Teixeira, University of British Columbia Okanagan
 CHAIR(S): Carlos Teixeira, University of British Columbia Okanagan
4:40 Thomas Sydney Carter, Professor*, University of Winnipeg, *A Comparison of Newcomers' Housing Experiences in Canada and the United States.*
5:00 Lu Wang, Dr*, Ryerson University; Elizabeth Chacko, The George Washington University; Lindsay Withers, The George Washington University, *The Imprint of Immigration in North American Cities and Suburbs.*
5:20 Heather Anne Smith*, University of North Carolina at Charlotte; Susan W Hardwick, Department of Geography, University of Oregon, *Crossing the 49th Parallel: US Immigrants in Canada and Canadians in the United States.*
 Discussant(s): Audrey L. Kobayashi, Queen's University
- 4676. Cognition, Behavior, and Representation IV: Panel on Methodology and Training in Spatial Cognition (Sponsored by Geographic Information Science and Systems Specialty Group, Environmental Perception and Behavioral Geography Specialty Group, Cartography Specialty Group)**
Room: *Aspen Room - Sheraton Hotel, Second Floor* (Panel Session)
 ORGANIZER(S): Sarah Battersby, University of South Carolina; Sara Irina Fabrikant, University of Zurich
 CHAIR(S): Sara Irina Fabrikant, University of Zurich
 Panelists: Lynn Liben, Penn State; Scott M. Freundschuh, University of New Mexico; Daniel R. Montello, University of California, Santa Barbara; Diana Stuart Sinton, University of Redlands; Donald Janelle, University of California, Santa Barbara
- 4678. Using Technology to Integrate Time and Space for Historical Analysis (Sponsored by Space-Time Symposium)**
Room: *Douglas Room - Sheraton Hotel, Second Floor* (Paper Session)
 ORGANIZER(S): Space-Time Symposium Organizing Committee
 CHAIR(S): Ann E. Larimore, University of Michigan
4:40 Patrick Manning*, University of Pittsburgh, *The World-Historical Dataverse Project: Issues and Challenges.*
5:00 Brandon Plewe*, Brigham Young University, *The Geo-Historical Information System: a collaborative database of place-history.*
5:20 John McIntosh*, Center For Spatial Analysis, University of Oklahoma; Grant Grant De Lozier, Center for Spatial Analysis, University of Oklahoma; Jacob Cantrell, Center for Spatial Analysis, University of Oklahoma; May Yuan, Center for Spatial Analysis, University of Oklahoma, *Constructing a Narrative GIS.*
5:40 Peter L Guth, PhD*, Dept of Oceanography; Rhys A Hearn, Dept of Geography & Environmental Engineering, USMA, *4D Historical GIS: Artillery Viewsheds at Antietam (US Civil War).*
6:00 Ann Evans Larimore*, University of Michigan; Sandra L. Arlinghaus, University of Michigan; Robert J. Haug, University of Cincinnati, *GEOMAT (Geographical Events Ordering-Maps, Archives, Timelines): A methodology for achieving space-time integration in historical-geographical analysis.*
- 4680. Geographer- artists: creative practice as research tool? 4: Reflections (Sponsored by Qualitative Research Specialty Group)**
Room: *Grand Ballroom B - Sheraton Hotel, Second Floor* (Paper Session)
 ORGANIZER(S): Harriet Hawkins; Phil Jones, University of Birmingham
 CHAIR(S): Phil Jones, University of Birmingham
4:40 Harriet Hawkins, Dr*, University of Bristol, *'Creative Compass': Placing art at the Royal Geographical Society, historicising creative geographies.*
5:00 Neal White*, *Radical Knowledge Production.*
5:20 Thomas Jellis*, University of Oxford, *Geographer-artists: artist-geographers.*
5:40 Phil Jones*, University of Birmingham, *Creative incompetence, or what happens when a non-artist uses art as method.*

FRIDAY, APRIL 15 • 4:40 PM - 6:20 PM • 4600

- 4681. Progress in Human Geography, Annual Lecture, Prof. Neil Smith**
Room: *Grand Ballroom C - Sheraton Hotel, Second Floor*
(Paper Session)
ORGANIZER(S): Robert Kitchin, National University Of Ireland
CHAIR(S): Robert Kitchin, National University Of Ireland
4:40 Neil Smith*, City University Of New York, *Of Social Interests and Critical Intent: From Ideology to Discourse and Back Again.*
Introducer: Robert Kitchin
- 4682. Underground political ecologies (Sponsored by Cultural and Political Ecology Specialty Group, Development Geographies Specialty Group)**
Room: *Grand Ballroom D - Sheraton Hotel, Second Floor*
(Paper Session)
ORGANIZER(S): Peter A. Walker, University Of Oregon
CHAIR(S): Peter A. Walker, University Of Oregon
Panelists: Anthony J. Bebbington, Clark University
- 4683. Women and Family**
Room: *Juniper Room - Sheraton Hotel, Second Floor* (Paper Session)
ORGANIZER(S): Program Committee
CHAIR(S): Lesley Rigg, Northern Illinois University
4:40 Annie Bartos*, University of Washington, *Children caring for their worlds: the politics of care and childhood.*
5:00 Patrick T. Hammons*, The Pennsylvania State University, *White Male Feminism: Seeing From the Position of "The Oppressor".*
5:20 Felicia Beckett*, Chicago State University, *Butterfly Effect: Migrational Narratives to the Place of Freedom.*
5:40 Daryl Wenner*, Independent, *Comparison of Midwifery Birth Options in Ashtabula County, OH, Erie County PA, and Chautauqua County, NY.*
6:00 Lesley Rigg, Associate Professor*, Northern Illinois University; Shannon McCarragher, MSc., Dept. of Geography, Northern Illinois University; Andrew Krmenc, Professor, Dept. of Geography, Northern Illinois University, *Publication Productivity and Gender in 15 Geography Journals..*
- 4684. Spatio-Temporal and GIS Analysis of Traffic On, Above, and Below Ground (Sponsored by Transportation Geography Specialty Group)**
Room: *Madrona Room - Sheraton Hotel, Second Floor* (Paper Session)
ORGANIZER(S): Julie Cidell, University of Illinois
CHAIR(S): Patrici A Lewis
4:40 Patrici A Lewis*, Southern Illinois University Carbondale, *Using a GIS-based approach to evaluate the effective utilization of runways at Chicago International Airport.*
5:00 Moo Young Choi*, Seoul National University; Keumsook Lee, Sungshin University; Segun Goh, Seoul National University; Jong Soo Park, Sungshin University; Woo-Sung Jung, Pohang University of Science and Technology, *Master equation approach to the subway passenger flow.*
5:20 Hsing-Fu Kuo*, Hao-Teng Cheng; Ko-Wan Tsou, *The Influence of the Structure of Network in Metropolis on the Patterns of Retail Industry.*
5:40 Feng Lu*, State Key Lab. of Resources and Environmental Information Systems, CAS, P.R.China; Yingying Duan, State Key Lab. of Resources and Environmental Information Systems, CAS, P.R.China, *Enhancing data input for short-term traffic forecast models with spatial-temporal clustering.*
6:00 Hsiao Po Yang*, National Taiwan University; Jinn Guey Lay, Prof., National Taiwan University, *An empirical study of forecasting local rail trips in Taiwan.*
- 4686. Design Principles for Agent-based Models of Land-use/Land-cover change (Sponsored by Space-Time Symposium, Human Dimensions of Global Change Specialty Group, Spatial Analysis and Modeling Specialty Group)**
Room: *Willow A - Sheraton Hotel, Second Floor* (Panel Session)
ORGANIZER(S): Tom Evans, Indiana University
CHAIR(S): Tom Evans, Indiana University
Panelists: Christopher Bone, University of Alaska Anchorage; Arika Ligmann-Zielinska, Michigan State University; Steven M. Manson, University Of Minnesota; Fraser Morgan, University of Auckland; Shipeng Sun, University of Minnesota - Minneapolis; Daniel Brown, University of Michigan; Suzana Dragicevic, Simon Fraser University; Derek Robinson, University of Edinburgh
- 4687. Space-time historical data analysis and visualisation of Japan (Sponsored by Space-Time Symposium)**
Room: *Willow B - Sheraton Hotel, Second Floor* (Paper Session)
ORGANIZER(S): Tomoki Nakaya, Geography Department, Ritsumeikan University
CHAIR(S): Tomoki Nakaya, Geography Department, Ritsumeikan University
4:40 Tomoki Nakaya*, Geography Department, Ritsumeikan University; Kazumasa Hanaoka, Geography Department, Ritsumeikan University, *Reading space-time clusters of outbreaks on a set of historical disease maps: Analysing an early effort to detect clusters of typhoid fever cases in Kyoto, 1928-9.*
5:00 Keiji Yano*, Ritsumeikan University; Toshikazu Seto, Ritsumeikan University; Takafusa Iizuka, Ritsumeikan University; Ayako Matsumoto, Ritsumeikan University; Takashi Kirimura, Ritsumeikan University; Tomoki Nakaya, Ritsumeikan University; Yuzuru Isoda, Ritsumeikan Asia Pacific University, *Space-time change of urban landscape with Kyo-machiya in Virtual Kyoto.*
5:20 Ayako Matsumoto*, Ritsumeikan University; Naomi Akaishi, Ritsumeikan University; Toshikazu Seto, Ritsumeikan University; Takafusa Iizuka, Ritsumeikan University; Keiji Yano, Ritsumeikan University, *Spatial Temporal Analysis on the Transition of Street Landscape with Kyo-machiya.*
5:40 Michael Batty*, University College; Kazumasa Hanaoka, Ritsumeikan University; Tomoki Nakaya, Ritsumeikan University; Oliver O'Brien, University College; Keiji Yano, Ritsumeikan University, *Space-Time Dynamics of the Japanese Urban System.*

FRIDAY, APRIL 15 • 6:30 PM - 7:15 PM • 4700

4722. Keynote Plenary: Geography and the Humanities
AAG Honorary Geographer, Barry Lopez

Friday, April 15, 6:30 p.m. - 7:15 p.m.

Room: 6E - Washington State Convention Center, Level 6

Organized by: Association of American Geographers

Introduction: Douglas Richardson, AAG Executive Director

Speaker: **Barry Lopez**

Barry Lopez is the winner of the National Book Award for *Arctic Dreams: Imagination and Desire in a Northern Landscape*. His writing appears regularly in *Harper's*, *The Paris Review*, *DoubleTake*, and many other publications. His most recent book is *Home Ground: Language for an American Landscape*, which he co-edited.

FRIDAY, APRIL 15 • 7:00 PM - 8:00 PM • 4800

4806. Cultural Geography Specialty Group Business Meeting

Room: 606 - Washington State Convention Center, Level 6

4809. Spatial Analysis and Modeling Specialty Group Business Meeting

Room: 609 - Washington State Convention Center, Level 6

4814. Community College Affinity Group Business Meeting

Room: 614 - Washington State Convention Center, Level 6

4815. Environmental Perception and Behavioral Geography Specialty Group Business Meeting

Room: 615 - Washington State Convention Center, Level 6

4826. Biogeography Specialty Group Business Meeting

Room: 303 - Washington State Convention Center, Level 3

4831. Middle East Specialty Group Business Meeting

Room: 308 - Washington State Convention Center, Level 3

4833. Coastal and Marine Specialty Group Business Meeting

Room: 310 - Washington State Convention Center, Level 3

SATURDAY

Presenting author(s) are indicated with an asterisk ().*

SATURDAY, APRIL 16 • 8:00 AM - 9:40 AM • 5100**5104. Innovations in GIS Applications**

Room: 604 - Washington State Convention Center, Level 6

(Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Binita Sinha, Diablo Valley College

8:00 Hwahwan Kim*, Oak Ridge National Lab; Edward Bright, Oak Ridge National Laboratory; Phillip Coleman, Oak Ridge National Laboratory; Jessica Moehl, Oak Ridge National Laboratory; Eric Weber, Oak Ridge National Laboratory; Budhendra Bhaduri, Oak Ridge National Laboratory, *LandScan USA Seasonal: Development of a high resolution population distribution model with in-bound traveler statistics.*

8:20 Kristine Wright*, Northeastern Illinois University, *A GIS-Based Approach to Assessing Rooftop Solar Potential At Northeastern Illinois University.*

8:40 David A. Merwin*, Framingham State University, *A Spatial Analysis Approach to Assessing a University Climate Action Plan.*

9:00 Binita Sinha*, Diablo Valley College, *Application of GIS in Institutional Research and Planning from a Community College Perspectives..*

5106. Beyond Yellowstone: The future of conservation I (Sponsored by Cultural and Political Ecology Specialty Group, Human Dimensions of Global Change Specialty Group)

Room: 606 - Washington State Convention Center, Level 6

(Paper Session)

ORGANIZER(S): Ashwini Chhatre, University of Illinois at Urbana-Champaign; Peter Wilshusen, Bucknell University

CHAIR(S): Peter Wilshusen, Bucknell University

8:00 Andrew Hansen*, Montana State University, *Land Use Change in Protected-area Centered Ecosystems around US National Parks: Implications for Management.*

8:15 Margaret Buck Holland, Ph.D.*, University of Wisconsin-Madison & Conservation International, *The rise and fall of the Mesoamerican Biological Corridor: Tracing the shifting paradigm and new reality for conservation in Central America.*

8:30 Sharon Pailler*, Michael Mascia, World Wildlife Fund, *Protected Area Downgrading, Downsizing, and Degazettement and its Conservation Implications.*

8:45 Abraham Goldman*, University of Florida; Joel Hartter, University of New Hampshire; Michael Binford, University of Florida, *Demography and the Conservation of Mid-altitude Forests in East Africa.*

Discussant(s): Peter Wilshusen, Bucknell University

5107. Political Ecology: Historical Perspectives

Room: 607 - Washington State Convention Center, Level 6

(Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Rhodante Ahlers, UNESCO IHE

8:00 Hanne Svarstad*, Norwegian Institute for Nature Research; Tor A. Benjaminsen, Norwegian University of Life Sciences; Bill Derman, Norwegian University of Life Sciences, *Political ecology: Where is the power?.*

8:20 Andrew Brooks*, CUNY Graduate Center, *Actually Existing Natures: State, capital and culture in the production of Penn's Woods.*

8:40 Jeremy Fisher*, Pennsylvania State University, *The Ecology of the French Revolution: A Metahistorical View.*

9:00 Claude Pelouquin*, University of Arizona, *Locust Allies, Locust Axis: Late Colonial Entomology and WWII.*

9:20 Rhodante Ahlers*, UNESCO IHE, *Temples of modernity: the technological fix of the 20th century.*

5109. Powers of Habit I: Inhabitations of thought, practice and uncertainty

Room: 609 - Washington State Convention Center, Level 6

(Paper Session)

ORGANIZER(S): John-David C. Dewsbury, University Of Bristol; David Bissell, The Australian National University

CHAIR(S): John-David C. Dewsbury, University Of Bristol

8:00 John-David C. Dewsbury*, University Of Bristol; David Bissell, The Australian National University, *Ravaisson's 'Of Habit' in 2011: Repetition and Difference.*

8:20 Alan Latham*, University College London, *Habit, Jogging, and the Cultivation of the Flt Body.*

8:40 Jennifer Lea*, Loughborough University; Chris Philo, University of Glasgow; Louisa Cadman, University of Glasgow, *Interventions in habit: yoga and mindfulness meditation.*

9:00 David Bissell*, The Australian National University, *Thinking habits for uncertain subjects.*

Discussant(s): David Bissell, The Australian National University

5111. Music and Rhapsody

Room: 611 - Washington State Convention Center, Level 6

(Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Robert Greeley, University of South Carolina

8:00 Joseph Biberstine*, Cyberinfrastructure for Network Science Center, Indiana University; Russell J Duhon, Cyberinfrastructure for Network Science Center, Indiana University; André Skupin, San Diego State University; Katy Börner, Cyberinfrastructure for Network Science Center, Indiana University; Elisha Allgood, Cyberinfrastructure for Network Science Center, Indiana University, *A Geography of Listener Locales Spatialized in the Last.fm Music Folksonomy.*

8:20 Aaron S Burkle*, Kent State University, *Popular Music's Role in Creating/Maintaining Vernacular Regional Identity: A Look at America's East and West Coast.*

8:40 Clark Akatiff*, *The Founding of the Union of Socialist Geographers A Great Day in Toronto.*

9:00 Robert Greeley*, University of South Carolina, *Making it (t)here in Saddam's Iraq: Producing subversive literary space in Sinan Antoon's I'jaam: An Iraqi Rhapsody.*

5112. Legal Economic Geographies I

Room: 612 - Washington State Convention Center, Level 6

(Panel Session)

ORGANIZER(S): Michael Smith, University of British Columbia; Noah Quastel, University of British Columbia

CHAIR(S): Michael Smith, University of British Columbia

Discussant(s): Noah Quastel, University of British Columbia

Panelists: Kendra Strauss, University of Glasgow; Pablo Mendez, University of British Columbia; Christopher Niedt, Hofstra University; Axel Stein, Leibniz Institute for Regional Development and Structural Planning

5113. World-Ecological Modernities I (Sponsored by Cultural and Political Ecology Specialty Group, Socialist and Critical Geography Specialty Group, Economic Geography Specialty Group)

Room: 613 - Washington State Convention Center, Level 6

(Panel Session)

ORGANIZER(S): Diana Gildea; Jason W. Moore

CHAIR(S): Diana Gildea

Panelists: Holly Buck, Lund University; Sandra Brown; Julie Tuttle; Matthew Huber, Syracuse University

SATURDAY, APRIL 16 • 8:00 AM - 9:40 AM • 5100

- 5114. Interrogating the Politics of Expertise in Urban and Regional Development I (Sponsored by Political Geography Specialty Group, Cultural and Political Ecology Specialty Group, Urban Geography Specialty Group)**
Room: 614 - Washington State Convention Center, Level 6
(Paper Session)
ORGANIZER(S): Malini Ranganathan, University of California at Berkeley; Erica Kohl-Arenas, The New School
CHAIR(S): Malini Ranganathan, University of California at Berkeley
8:00 Austin Zeiderman*, Stanford University, *Millennial City*.
8:20 Hiba Bou Akar*, UC Berkeley, *Managing War in Times of Peace: Urban Planning in Beirut, Lebanon*.
8:40 Jonathan Anjaria*, Bard College; Jonathan Anjaria, Bard College, *Citizen Experts: Heritage Activism and Spatial Reconfiguration in Mumbai*.
9:00 Pietro Calogero, MArch, MCP*, Student, *The Biopolitics of Urban Informalization*.
- 5115. Micropolitan America: Understanding Space in America's Small Cities (Sponsored by Rural Geography Specialty Group, Urban Geography Specialty Group)**
Room: 615 - Washington State Convention Center, Level 6
(Paper Session)
ORGANIZER(S): Benjamin Ofori-Amoah, Western Michigan University
CHAIR(S): Godson C. Obia, Eastern Illinois University
8:00 Jill Stackhouse*, Georgia Southern University; Kenneth Wesley Maples, Georgia Southern University, *Micropolitan Georgia: A Case Study of Dublin and Vidalia Georgia*.
8:20 Michael S. Yoder*, University of Central Arkansas, *Micropolitan Sprawl in Arkansas: Residential, Retail, and Industrial Land Use at the Urban Fringe*.
8:40 James W. Fonseca, PhD*, Ohio University-Zanesville, *Micropolitan Areas in the American Heartland*.
9:00 Benjamin Ofori-Amoah*, Western Michigan University, *Micropolitan Michigan: A Study of Economic Continuity and Change in America's Small Cities*.
Discussant(s): Godson C. Obia, Eastern Illinois University
- 5116. New International Migrations in East Asia (Sponsored by Asian Geography Specialty Group, Population Specialty Group)**
Room: 616 - Washington State Convention Center, Level 6
(Paper Session)
ORGANIZER(S): Yeong-Hyun Kim, Ohio University
CHAIR(S): Yeong-Hyun Kim, Ohio University
8:00 Clinton T Kilgore*, Geographer, *Familiar Places in Global Spaces: Networking and Place-Making of American English Teachers in Sanlitun, Beijing*.
8:20 Weiwei Ji*, Ritsumeikan University, *Spatial Dynamic of Chinese Firms in Japanese Metropolitan Regions*.
8:40 Yeong-Hyun Kim*, Ohio University, *Returning to the Korean (Chinese) Homeland: Korean Chinese Diasporic Homecoming and Temporary Labor Migration to South Korea*.
9:00 Hyunjoo Jung*, Seoul National University, South Korea, *Spatial politics of marriage migrant women in South Korea*.
- 5117. Crime Modeling and Mapping (Sponsored by Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group, Cartography Specialty Group)**
Room: 617 - Washington State Convention Center, Level 6
(Paper Session)
ORGANIZER(S): Michael Leitner, Louisiana State University
CHAIR(S): Martin Alexander Andresen
8:00 Leslie W Kennedy*, Rutgers University, *Risk Clusters, Hotspots, and Near Repeats: Risk Terrain Modeling as an Algorithm for Police Resource Allocation Strategies*.
8:20 Samantha Lowry*, The Urban Institute; Meagan Cahill, Ph.D., The Urban Institute; Caterina Roman, Ph.D., Temple University; Pamela Lachman, The Urban Institute; Juan Pedroza, The Urban Institute, *Individual Social Networks and Their Influence on Delinquent Behavior*.
8:40 Meagan Cahill, Ph.D.*, The Urban Institute; Samantha Lowry, The Urban Institute; Caterina Roman, Ph.D., Temple University; Pamela Lachman, The Urban Institute; Juan Pedroza, The Urban Institute, *The Ties that Bind: A Social Network Analysis of Latino Gang Youth*.
9:00 Anthony Fox*, Commonwealth Computer Research; Donald Brown, PhD, Commonwealth Computer Research; James H Conklin, Commonwealth Computer Research, *Integrated Spatial and Textual Methods for Criminal Incident Prediction*.
9:20 Martin Alexander Andresen*, Simon Fraser University; Nicolas Malleson, University of Leeds, *Spatial crime analysis and the modifiable areal unit problem*.
- 5118. Geography Teachers: Preparation, Knowledge & Migration (Sponsored by Geography Education Specialty Group)**
Room: 618 - Washington State Convention Center, Level 6
(Paper Session)
ORGANIZER(S): Gillian Acheson, Southern Illinois University Edwardsville
CHAIR(S): Gillian Acheson, Southern Illinois University Edwardsville
8:00 Gillian Acheson*, Southern Illinois University Edwardsville, *Preparing K-12 educators to teach geography: An Illinois case study*.
8:20 INJEONG JO*, Texas A&M University, *Fostering a Spatially Literate Generation: Explicit Instruction on Spatial Thinking for Preservice Teachers*.
8:40 Kathleen Sherman-Morris, PhD*, Mississippi State University; Karen McNeal, PhD, Mississippi State University; Michael Brown, PhD, Mississippi State University; John Rodgers, PhD, Mississippi State University; Jamie Dyer, PhD, Mississippi State University, *Teaching and Learning about Geoscience: A Survey of Mississippi Science Teachers*.
9:00 Susan E. Hume*, Southern Illinois University Edwardsville; Ellen J. Foster*, University of Mississippi, *The Migration of K-12 Teachers to Higher Education*.
- 5119. Development in Taiwan and Mainland China**
Room: 619 - Washington State Convention Center, Level 6
(Paper Session)
ORGANIZER(S): Program Committee
CHAIR(S): Huaqun Li, School of Public Policy, GMU
8:00 Shih-Ying Tsai*, National Taipei University, Taiwan; Tsu-Lung Chou, National Taipei University, Taiwan, *Inter-scalar politics and regional development governance in Taiwan*.
8:20 Yuhui Cheng*, Royal Holloway, University of London, *Making themselves feel being at home: Taiwanese skilled expatriates in the YRD, China*.
8:40 Wang Bei*, IGSNRR, CAS, *Impact on the Reform of S&T System to Spatial Distribution of S&T Resources in China*.
9:00 Huaqun Li*, School of Public Policy, George Mason University; kingsley E. Haynes, School of Public Policy, George Mason University, *Regional Convergence and Foreign Direct Investment, 1997-2007*.

SATURDAY, APRIL 16 • 8:00 AM - 9:40 AM • 5100

- 5120. Mobilities, Borders, and Imprisonment V: Conceptualizing Migration-related Detention (Sponsored by Political Geography Specialty Group, Ethics, Justice, and Human Rights Specialty Group)**
 Room: 620 - Washington State Convention Center, Level 6
 (Paper Session)
 ORGANIZER(S): Nancy A. Hiemstra, Syracuse University; Lauren Martin, University of Kentucky
 CHAIR(S): Geoffrey A Boyce, University of Arizona
8:00 Nancy A. Hiemstra*, Syracuse University, *Homeland Security and Insecurity at Home: Considering US Migrant Detention and Deportation from Ecuador.*
8:20 Joshua Labove*, Dartmouth College, *Dislocating Immigration Detention.*
8:40 Asha Best, Doctoral Student*, Rutgers University, *Resisting the Imposition of Erasure: Embodied conditions of detention and repatriation in Caribbean im/migrant narratives.*
 Discussant(s): Mathew Coleman, Ohio State University
- 5124. GIS and Citizen Science: Methods and Tools (Session 1) (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group, Communication Geography Specialty Group)**
 Room: 301 - Washington State Convention Center, Level 3
 (Paper Session)
 ORGANIZER(S): Chen Xu
 CHAIR(S): Chen Xu
8:00 John Patrick Connors*, Arizona State University; Maggi Kelly, PhD, University of California Berkeley; Shufei Lei, University of California Berkeley, *Citizen science in the age of neogeography: utilizing volunteered geographic information for environmental monitoring.*
8:20 Chen Xu*, CISC, GMU, *Developing a Spatial Web Portal for Supporting Citizen Participation in Geospatial Science.*
8:40 Jizhe Xia*, *A model for measuring route similarity based on user contributed data.*
9:00 Jian Zhou*, Department of Geography, McGill University; Renee Sieber, Department of Geography, McGill University; Mark Chandler, CCSR/GISS, Columbia University; Linda Sohl, CCSR/GISS, Columbia University, *Climate Models for Education of Citizen Scientists.*
- 5125. Urban Planning and Real Estate in Africa**
 Room: 302 - Washington State Convention Center, Level 3
 (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Makame Muhajir, The University of Kansas
8:00 Grace A Ecklu*, Western Michigan University, *Implementing a Street and Property Identification System: A Case Study of Accra, Ghana.*
8:20 Nathaniel Dede-Bamfo, M.A (SUNY Binghamton)*, Texas State University, *Assessment of the extent, rate and socio-economic impact of agricultural land loss in the urban fringes of Accra from 2000 to 2008.*
8:40 Sarah Smiley*, Kent State University at Salem, *Tanzania's Housing Censuses: Colonial Legacies of Inadequate Housing.*
9:00 Poonam Jusrut*, University of Illinois At Urbana, *Who wants to buy a piece of paradise: neo-liberal real estate policies and exclusionary implications for Mauritius' citizens.*
9:20 Makame A Muhajir, PhD Candidate*, The University of Kansas, *Normalization of Land and Environmental Sustainability in Zanzibar: Between Planning and Politics.*
- 5127. Reconstructions of Paleoenvironments and Past Human-Environment Interactions I: Mesoamerica and Beyond (Sponsored by Paleoenvironmental Change Specialty Group, Biogeography Specialty Group, Geomorphology Specialty Group)**
 Room: 304 - Washington State Convention Center, Level 3
 (Paper Session)
 ORGANIZER(S): Michelle Goman, Cornell University; Catherine Helen Yansa, Michigan State University
 CHAIR(S): Catherine Helen Yansa, Michigan State University
8:00 Mandy Munro-Stasiuk*, Kent State University; T. Kam Manahan, Kent State University; Trent Stockton, Tulane University, *Spatial and Physical Characteristics of Rejolladas in Northern Yucatán, Mexico: Implications for Understanding Ancient Maya Settlement Patterns and Agricultural Adaptation.*
8:20 Megan K. Walsh, PhD*, Central Washington University; Douglas Kennett, PhD, University of Oregon; Brendan Culleton, University of Oregon; Keith Prufer, PhD, University of New Mexico; John Jones, PhD, Washington State University, *Paleoecological Reconstruction of Human-Landscape Interactions in the Uxbenka Region of Southern Belize, Central America.*
8:40 Lysanna Anderson, PhD*, US Geological Survey; David Wahl, PhD, U.S. Geological Survey; Francisco Estrada-Belli, PhD, Boston University; Richard Hansen, PhD, Idaho State University, *Fire, Climate, and Prehistoric Settlement in the Southern Maya Lowlands.*
9:00 Michelle Goman*, Cornell University; Arthur Joyce, University of Colorado, Boulder; Farah Malik, Cornell University; Marissa Mnich, University of Massachusetts at Amherst; William Middleton, Rochester Institute of Technology; Raymond Mueller, Richard Stockton College of New Jersey, *Paleoenvironmental Reconstructions at the U2 Archaeological Feature, Lower Rio Verde Valley, Oaxaca.*
9:20 Scott A. Mensing*, University of Nevada - Reno; Irene Tunno, Dendrology Lab, DAF Università degli Studi della Tuscia, Viterbo, Italy; Susan Zimmerman, Center for Accelerator Mass Spectrometry, Lawrence Livermore National Laboratory; Gianluca Piovesan, Dendrology Lab, DAF Università degli Studi della Tuscia, Viterbo, Italy, *A millennium of Mediterranean forest change: Comparing human impacts and climate in central Italy since Medieval time.*
- 5128. Aviation Impacts on Climate and Climate Change (Sponsored by Remote Sensing Specialty Group, Climate Specialty Group)**
 Room: 305 - Washington State Convention Center, Level 3
 (Paper Session)
 ORGANIZER(S): Andrew Carleton, Pennsylvania State University; David Travis, University Of Wisconsin - Whitewater
 CHAIR(S): Andrew Carleton, Pennsylvania State University
8:00 Andrew M. Carleton*, Pennsylvania State University, *Jet Contrails and Their Impacts on Climate: A Review.*
8:20 Chuanrong Zhang*, University of Connecticut, Department of Geography; Daxiang Zhang, University of Connecticut, Department of Geography; David Travis, University of Wisconsin-Whitewater; Weidong Li, University of Connecticut, Department of Geography, *Identifying Contrails in AVHRR Satellite images using an object-oriented classification approach.*

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- 8:40** A. Scott Weberpal*, University of Wisconsin-Whitewater; Tom Jeffery, University of Wisconsin-Whitewater; David J Travis, University of Wisconsin-Whitewater, *Using satellite imagery and GIS to estimate contrail coverage duration in contrail "outbreaks"*.
- 9:00** David J Travis*, University of Wisconsin-Whitewater; A. Scott Weberpal, University of Wisconsin-Whitewater; Andrew M. Carleton, The Pennsylvania State University, *Contrail impacts on diurnal temperature range estimated from error analysis of meteorological model output statistics*.
- 9:20** Jason Allard, PhD*, Valdosta State University, *Trends in Sky Cover Variables for the Midwest and Northeastern U.S. and the Possible Role of Contrails*.
- 5129. Animated Representations: Animals, Media and Place I (Sponsored by Cultural Geography Specialty Group, Animal Geography Specialty Group, Communication Geography Specialty Group)**
- Room:* 306 - Washington State Convention Center, Level 3
(Paper Session)
ORGANIZER(S): Sharon Wilcox Adams, University of Texas Austin
CHAIR(S): Sharon Wilcox Adams, University of Texas Austin
- 8:00** Gabrielle Collins*, UNL, *Born to be Wild? Exotic Pet Mammals in the United States*.
- 8:20** Burgess F. Bub*, NYU Steinhardt, *Visualizing Hybridity through Animals: Anthropomorphism and Liminal Subjectivities*.
- 8:40** Smitha Rao*, King's College London, *The Saffronisation of the Holy Cow: Unearthing Silent Communalism*.
- 9:00** Aleksandra Ilicheva*, California State University, Northridge, *Plenty of fish in the sea: geographies of abundance, sustainability, and ethics in regard to non-mammalian marine animals..*
- 9:20** Anna Rabinowicz, Associate Professor*, Parsons The New School for Design, *Boundary-Blurring Devices: Prosthetics Erode Distinctions Between Animals and Humans*.
- 5130. Urban Adaptation - 1 (Sponsored by Cultural and Political Ecology Specialty Group, Human Dimensions of Global Change Specialty Group, Climate Specialty Group)**
- Room:* 307 - Washington State Convention Center, Level 3
(Paper Session)
ORGANIZER(S): Arun Agrawal, University of Michigan; Maria Carmen Lemos, University of Michigan
CHAIR(S): Maria Carmen Lemos, University of Michigan
Introducer: Maria Carmen Lemos
- 8:10** Nathan Kettle*, University of South Carolina, *Climate change adaptation processes: the influence of risk, uncertainty, and scale*.
- 8:30** Margaret Wilder*, University of Arizona, *Cities on the Edge: Water Vulnerability and Adaptive Management at the U.S.-Mexico Border*.
- 8:50** Meleiza Figueroa*, University of Chicago, *Cultivating Agrarian Urbanism: Immigrant Communities and Agricultural Knowledge at Work in U.S. Cities*.
- 9:10** Stephanie Pincetl, PhD*, University of California; Paul Bunje, PhD, UCLA, *Climate Planning in the Fragmented Metropolis*.
- 5131. Author Meets Critics: "Everything Sings: Maps for a Narrative Atlas" by Denis Wood, and "Making Maps, Second Edition" by John Krygier and Denis Wood (Sponsored by Political Geography Specialty Group, Socialist and Critical Geography Specialty Group, Cultural Geography Specialty Group)**
- Room:* 308 - Washington State Convention Center, Level 3
(Panel Session)
ORGANIZER(S): Joseph Palis, North Carolina State University; Yousuf Mussa Al-Bulushi, UNC-Chapel Hill Department of Geography
CHAIR(S): Margaret Pearce
Discussant(s): John Krygier, Ohio Wesleyan University; Denis Wood
Panelists: Marie Cieri, Rhode Island School of Design; James Craine, California State University Northridge; Vincent J. Del Casino, California State University, Long Beach; Annette Kim, MIT
- 5134. Housing and Finance**
- Room:* 3A - Washington State Convention Center, Level 3
(Paper Session)
ORGANIZER(S): Program Committee
CHAIR(S): Lata Chatterjee, Boston University
- 8:00** Lata Chatterjee, Professor Emeritus*, Boston University, *Housing and Regional Development: Lessons from case Studies*.
- 8:20** John Brennan*, Department of Public and International Affairs, University of North Carolina Wilmington, *The Impact of Homeowners' Loan Corporation (HOLC) Lending in Greater Cleveland, Ohio, 1934-1939*.
- 8:40** Howard Tenenbaum*, GMU; Nigel Waters, PhD, GMU, *Regional Mortgage Price Disparities between Local Banks, Non-Local Banks, and Mortgage Companies..*
- 9:00** Tadesse Kidane-Mariam*, Edinboro University Of Pennsylvania, *Ethiopia: The Socio-economic Profile of Urban Cooperative Housing Members*.
- 9:20** Matthew Tiessen, PhD*, University of Alberta, *High Frequency Trading and the Shrinking Space-Times of Risk*.
- 5135. Caribbean Responses to Global Change (1)**
- Room:* 3B - Washington State Convention Center, Level 3
(Paper Session)
ORGANIZER(S): David Barker, University of the West Indies; David Miller
CHAIR(S): David Barker, University of the West Indies
- 8:00** David J. Miller*, Department of Geography & Geology, The University of the West Indies; Andrew G.M. Pearson, Department of Basic Medical Sciences, The University of the West Indies, *Tropical Storm and Hurricane Impact on a Caribbean Beach: Manatee Bay, St. Catherine, Jamaica..*
- 8:20** April Karen Baptiste, Ph.D.*, Colgate University, *Exploratory research examining the concerns, perceptions and adaptation of fishermen to climate change in Trinidad and Tobago through the use of video documentary*.
- 8:40** Donovan R Campbell*, University of the West Indies; David Barker, University of the West Indies, *Jamaican agro-ecological zones and climate change: a comparison of farmers' perceptions of changing weather and climate and their capacity to respond global change*.

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5137. **Gone With the Wind: Wind Power and it's Impacts**

Room: 202 - Washington State Convention Center, Level 2
(Paper Session)
ORGANIZER(S): Program Committee
CHAIR(S): Stephen Stadler, Oklahoma State University
8:00 Stephen J Stadler, PhD*, Oklahoma State University; J. Scott Greene, PhD, University of Oklahoma; Mark Morrissey, PhD, University of Oklahoma; Ethan Cook, University of Oklahoma, *The Evolution of Wind Power Maps for Oklahoma.*

5138. **Climate change, landscape change, natural resource distribution, and conflict. Session 1 (Sponsored by Political Geography Specialty Group, Human Dimensions of Global Change Specialty Group, Development Geographies Specialty Group)**

Room: 203 - Washington State Convention Center, Level 2
(Paper Session)
ORGANIZER(S): Tracy Van Holt, East Carolina University; Peter Michael Link, Hamburg University
CHAIR(S): Sarah Lashley, Colby College
8:00 Ingo Breuer*, University of Leipzig, Germany, *Land Conflicts and Social Change: Re-Negotiating the Future of Morocco's Pasture Resources.*
8:20 Marcellus Caldas*, Kansas State University-Geography; Doug Goodin, Dr., Kansas State University; Lynn Brien, Mrs., Kansas State University, *Deforestation and social conflict in the Atlantic Forest of Paraguay: effects of Brazilian immigration.*
8:40 Galen B Murton*, The Fletcher School of Law and Diplomacy, *The Political Geography of Infrastructure Development in the Tibetan-Himalayan Borderlands.*
9:00 Sarah Lashley*, Colby College, *Unique Characteristics and Considerations: Assessing Conflicts in the Environmental Justice Context.*
9:20 P. Michael Link*, Hamburg University; Franziska Piontek, Hamburg University; Jürgen Scheffran, Hamburg University, *Potentials for conflict or cooperation on water resources in the Nile River basin under changing climatic conditions.*

5139. **Law, State, Space 1: Cities, Governmentality, Intervention**

Room: 204 - Washington State Convention Center, Level 2
(Paper Session)
ORGANIZER(S): John Carr, University of New Mexico; Melinda Harm Benson, University of New Mexico
CHAIR(S): John Carr, University of New Mexico
8:00 Joshua Akers*, University of Toronto; Jason Hackworth, University of Toronto, *Privatization of Space: Land law and policy in Detroit.*
8:20 Tony Sparks*, Sonoma State University, *Governing madness in the city of care; The legal geographies of mental illness in San Francisco.*
8:40 Manuel Lutz*, Center for Metropolitan Studies, Transatlantic Graduate Research Program, Berlin, *The powers of discretion: local government ruling through gray spaces.*
9:00 John N Carr, Ph.D., J.D.*, University of New Mexico, *Making Urban Politics Go Away: The role of legally mandated planning processes in occluding city-level power.*
Discussant(s): Deborah G. Martin, Clark University

5140. **Neoliberalizing Space: Critical Perspectives on Place Branding I (Sponsored by Urban Geography Specialty Group, Socialist and Critical Geography Specialty Group, Economic Geography Specialty Group)**

Room: 205 - Washington State Convention Center, Level 2
(Paper Session)
ORGANIZER(S): Reuben S. Rose-Redwood, University of Victoria; Jani Vuolteenaho, University of Helsinki
CHAIR(S): Jani Vuolteenaho, University of Helsinki
Introducer: Jani Vuolteenaho
8:05 Thomas Niedomysl*, Institute for Futures Studies; Mikael Jonasson, Halmstad University, *Towards a descriptive theory of place marketing.*
8:24 Ida Andersson*, Stockholm University, *All that glitters is not branding: a critical approach to case study analysis in place branding research..*
8:43 Eliot Tretter*, University of Texas - Austin, *Branding a City 'Live Music Capital of the World.'*
9:02 Helen Morgan Parrett, Ph D Candidate*, University of Minnesota, *Disneyomatics: Cultural policy, the creative economy, and the production of neoliberal urban space in post-Katrina New Orleans.*
9:21 David J. Madden, PhD*, Bard College, *Neighborhood Branding as Spatial Practice: The politics of toponymy in Brooklyn, NY.*

5141. **Globalization and Variations in Regional Economic Performance I - Metropolitan and Regional Aspects of Unevenness and Inequality (Sponsored by Regional Development and Planning Specialty Group, Economic Geography Specialty Group)**

Room: 206 - Washington State Convention Center, Level 2
(Paper Session)
ORGANIZER(S): Dieter Franz Kogler, University College Dublin; Elizabeth Mack, Arizona State University
CHAIR(S): Dieter Franz Kogler, University College Dublin
8:00 Patrick Adler*, University of Toronto, *Are Growing Cities "Faster"? - An Economic Geography of Canadian Couriers.*
8:20 Thomas Kemeny*, UNC Chapel Hill, *Cultural Diversity, Trust and Economic Performance in U.S. Cities.*
8:40 Elizabeth A Mack*, Arizona State University, *The Spatial Distribution of Knowledge Intensive Firms and Broadband: An Inter-metropolitan and Intra-metropolitan Analysis.*
9:00 David Rigby*, UCLA; Tom Kemeny, UNC Chapel Hill, *Revisiting the Impacts of Trade on Wages and Inequality.*
Discussant(s): Edward Malecki, Ohio State University

5142. **GIS for Ruban Spatial Analysis**

Room: 211 - Washington State Convention Center, Level 2
(Paper Session)
ORGANIZER(S): Program Committee
CHAIR(S): Anne Bretagnolle, Assistant Professor
8:00 Luciane Aguiar Borges, PhD student*, Royal Institute of Technology - KTH, Stockholm, Sweden; Yuheng Li, PhD student, Royal Institute of Technology, Stockholm, Sweden; Marcus Adolphson, PhD student, Royal Institute of Technology, Stockholm, Sweden, *Hierarchy in the Regional City: a case study in Mälardalen Region, Sweden.*
8:20 Libin Zhou*, Florida State University; Xiaojun Yang, Florida State University, *Quantifying Scale-Dependent Spatio-temporal Patterns of Urban Growth: An Experiment.*

SATURDAY, APRIL 16 • 8:00 AM - 9:40 AM • 5100

- 8:40** Marco Helbich*, GIScience, Department of Geography, University of Heidelberg; Wolfgang Brunauer, IRG Immobilien Rating GmbH, Vienna, Austria, *Regionalization of an Austrian Local Hedonic Prize Model Using Spatial Clustering.*
- 9:00** Joyce Hogan, MS*, Naval Postgraduate School; Sean Everton, PhD, Naval Postgraduate School, *Exploring Spatial Patterns of Insurgent Incidents and Potential Indicators of Failed States in the Southern Philippines: A Year 2000 Case Study.*
- 9:20** Anne Bretagnolle*, Professor; Marianne Guerois*, Assistant Professor, *European Urban Patterns and Trends: New Evidences from Urban Morphological Zones data base (CLC1990/CLC2000).*
- 5143. Indigeneity and Ontology 1 : Theorizing Indigeneity and Ontology (Sponsored by Indigenous Peoples Specialty Group)**
Room: 212 - Washington State Convention Center, Level 2
(Paper Session)
ORGANIZER(S): Caroline Desbiens, Universite Laval; Emilie Cameron, University of British Columbia
CHAIR(S): Emilie Cameron, University of British Columbia
8:00 Sarah de Leeuw*, University of Northern British Columbia, *Disembodying Policy: The Geographies of Apprehending Indigenous Children in Northern British Columbia.*
8:20 Caroline Desbiens, Ph.D.*, Universite Laval; Etienne Rivard, Ph.D.*, Laval University, *Negotiating Beings and Territorialities: Aboriginal People, Development and Métissage in Québec, Canada.*
8:40 Katherine MacDonald*, York University, *Re-Assembling 'the Indigenous': Liminal Indigeneity.*
9:00 Lawrence D. Berg*, University of British Columbia; Mike Evans*, UBC Okanagan, *Assembling Indigeneity and (Urban) Aboriginality.*
Discussant(s): Susan Ruddick, University of Toronto
- 5144. Studies of Urbanization in the Global South**
Room: 213 - Washington State Convention Center, Level 2
(Paper Session)
ORGANIZER(S): Program Committee
CHAIR(S): Ian Yeboah, Miami University
8:00 Bing Sheng Wu*, HSSE, National Institute of Education, *Globalization on Asian Urbanizations: Spatial Restructuring of Desakota Regions.*
8:20 Ashok Hanjagi*, Bangalore University; Ashok Hanjagi, *Chikkabannavar Lake of Bangalore City - A Geographical Analysis.*
8:40 Baleshwar Thakur*, University of Delhi; Rajiv R Thakur, University of South Alabama, *Hierarchic structures of polycentric urban development in India.*
9:00 David R Rain*, The George Washington University, *What Becomes a Legend Most? Theory-building Amidst Unprecedented Urban Expansion.*
9:20 Ian Yeboah*, Miami University, *Emerging Urban System Trends in Sub-Saharan Africa: Ghana.*
- 5145. Geographic Education**
Room: 214 - Washington State Convention Center, Level 2
(Paper Session)
ORGANIZER(S): Program Committee
CHAIR(S): Ines M. Miyares, Hunter College
8:00 Michelle Behr*, University of Northern Colorado; Christine Marston, University of Northern Colorado; Kyle Ann Nelson, University of Northern Colorado, *Retaining Latino Males: Evaluating the Efficacy of a Multi-Faceted Retention Strategy.*
8:20 Gary Coutu*, Geography and Planning, West Chester University, *Working with At-Risk Students in Geoscience Education: the Christina Basin Critical Zone Observatory.*
8:40 Jeffrey James Dunn*, University of Connecticut; Jeffrey P Osleeb, PhD, University of Connecticut, *Funding and Test Score Disparities between Connecticut School Districts.*
9:00 Perry L. Carter*, Texas Tech University, *States of Educations: An Exploratory Analysis of State Education Data.*
9:20 Ines M. Miyares, PhD*, Hunter College, *Incorporating Ethnic Geography Fieldwork into Undergraduate Diversity Education.*
- 5146. Taking matters into third hands: intermediaries and the organization of the creative economy. 5. Inside/outside the creative economy I (Sponsored by Urban Geography Specialty Group, Cultural Geography Specialty Group, Economic Geography Specialty Group)**
Room: 2A - Washington State Convention Center, Level 2
(Paper Session)
ORGANIZER(S): Doreen Jakob, UNC Chapel Hill / Center for Metropolitan Studies Berlin; Bas Van Heur, Maastricht University
CHAIR(S): Carl Grodach, University of Texas Arlington
8:00 Tara Vinodrai*, University of Waterloo, *Constructing creativity: Design, intermediaries and institutions in Canada and Denmark.*
8:20 Benjamin Shultz*, University of Tennessee, *The Alternative Art Worlds of the Indie and DiY Movements.*
8:40 Karenjit Clare*, University of Oxford, *Reproducing Gender Divisions: The Role of Headhunters in the Creative Economy.*
9:00 Jeff Boggs*, Brock University, *The evolution of intermediaries in Canada's book trade.*
- 5148. Spatialities of Racialization and Class Politics in North American Cities**
Room: Cirrus Ballroom - Sheraton Hotel, Pike Tower, Thirty Fifth Floor
(Paper Session)
ORGANIZER(S): Trushna Parekh, University of Kentucky
CHAIR(S): John Elrick, UC Berkeley
8:00 John Elrick*, University of California, Berkeley, *To Hong Kong or Hell: The Racial Constitution of Class Politics in San Francisco.*
8:20 Victoria Gannon*, Art Practical, *Day Labor Landscapes: Seeing Informal Hiring Sites.*
8:40 Melissa Fong*, University of Toronto, *Displacement through racialization: Gentrifying cities through tropes of Whiteness.*
9:00 Trushna Parekh*, University of Kentucky, *"Benefits" of Black Gentrification?: A Case Study from Treme, New Orleans.*
Discussant(s): Helen Regis, Louisiana State University

SATURDAY, APRIL 16 • 8:00 AM - 9:40 AM • 5100**5150. Physical and Human Geography of Asian Sub-Continent**Room: *Boren - Sheraton Hotel, Union Tower, Fourth Floor*

(Paper Session)

ORGANIZER(S): Sonal Gangawala, University of Kota, Kota (Rajasthan) India

CHAIR(S): Sonal Gangawala, University of Kota, Kota (Rajasthan) India

8:00 Keshav Bhattarai*, University of Central Missouri, *Can Pokhara, Nepal, sustain its current rates of urban growth and population?***8:16** Shane L. Thurlo*, Department of Geography, The University of Montana; Ulrich Kamp, Department of Geography, The University of Montana, *An Investigation of Water Reliability, Impacts of Socioeconomic Change and the Future of an Agrarian Society: the Case Study of Stok, Ladakh, India.***8:32** Md. Masud Parves Rana*, National University of Singapore, *Assessing environmental services: the socio-spatial embeddedness of Dhaka's urban poor.***8:48** Catherine Elizabeth Lee*, Texas Tech University, *Mapping Morphological Reduplication in Eastern Nepal: A Spatial Analysis of a Linguistic Feature.***9:04** Sumeeta Srinivasan*, Harvard University, *Spatial patterns in energy use: A case study in Chennai, India.***9:20** Fatima Wajahat*, Florida State University, *Land Tenure Security and Housing Improvement: Examples from Informal Settlements in Lahore, Pakistan.***5151. Food: Foodsheds, Networks, and Resiliency**Room: *Columbia - Sheraton Hotel, Union Tower, Fourth Floor*

(Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Pamela Martin, University of Chicago

8:00 Sailiemanu Lilomaiaava-Doktor, Assistant professor, Dr*, University of Hawaii-West Oahu, Hawaiian and Pacific Studies, *Lualualei (West Oahu) Community Fights to Save Farmland.***8:20** Gigi Berardi*, The Resilience Institute, Western Washington University, *U.S. Agriculture, Extreme Events, and Vulnerabilities: Whither Resilience?.***8:40** Clark Williams Derry*, *Pacific Northwest local food.***9:00** Michael Nesius*, Florida State University, *The Ability of Customers in Alternative Food Networks: Multidimensional Scaling using Egocentric Network Metrics.***9:20** Pamela Martin*, University of Chicago; Esther E Bowen, University of Chicago; Todd T Schuble, University of Chicago, *Envisioning regional foodsheds across the United States: potential environmental consequences of redistributing agriculture activities.***5152. Remote Sensing, Vegetation Indices, and Agriculture 1**Room: *Jefferson - Sheraton Hotel, Union Tower, Fourth Floor*

(Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Lee F. Johnson, CSUMB

8:00 Sharmistha Swain*, University of Nebraska-Lincoln; Sunil Narumalani, University of Nebraska-Lincoln; Brian Wardlow, University of Nebraska-Lincoln; Donald Rundquist, University of Nebraska-Lincoln; Michael J. Hayes, University of Nebraska-Lincoln, *Relationships among Vegetation Indices, Canopy Temperatures and Root-Zone Soil Moisture in the U.S. Corn Belt: A Close-range Sensing Approach.***8:20** Taesoo Lee*, Texas A&M University; Pushpa Tuppad, Texas A&M University; Raghavan Srinivasan, Texas A&M University; John Kretzschmar, Texas A&M University; Aung Hla, Texas Water Development Board, *Mapping spatially distributed irrigated croplands for water management.***8:40** Prasad S Thenkabail, Dr.*, United States Geological Survey (USGS); Prasad S Thenkabail, Dr., U.S. Geological Survey (USGS); Zhouting Wu, Ms., Biological Sciences, Northern Arizona University, Flagstaff, Arizona, USA, *A Knowledge-based Algorithm for automated Agricultural Cropland Mapping Using Fusion of Landsat, MODIS, Secondary, and in-situ Data.***9:00** Lee F. Johnson*, CSUMB; Tom Trout, USDA-ARS; Dong Wang, USDA-ARS; Forrest Melton, CSUMB, *Satellite Mapping of Crop Water Demand in California.***5154. Getting Around in the City (Sponsored by Transportation Geography Specialty Group)**Room: *Pike - Sheraton Hotel, Union Tower, Fourth Floor*

(Paper Session)

ORGANIZER(S): Julie Cidell, University of Illinois

CHAIR(S): Katherine King

8:00 Katherine King*, University of Michigan, *Building Vibrant Streets: Implications of the Structure and Content of Urban Form for Neighborly Social Relations.***8:20** Jieun Lee*, Michigan State University; Igor Vojnovic, PhD, Michigan State University, *Gendered Urban Spaces: Understanding Gendered Travel Behavior in the Detroit Region..***8:40** Aya Yoshikawa*, Texas A&M University, *Active Travel Behaviors in Late Life: Survey Results from Senior Citizens of A Welfare Center for the Elderly in Yao, Japan.***9:00** Matthew Dunbar*, University of Washington; Robert D. Plotnick, University of Washington; Jennifer Romich, University of Washington; Jennifer Thacker, Burst for Prosperity, *A GIS Approach to Estimating the Distributional Impact of Highway Tolls: An Application to the Puget Sound Region of Washington State.***5158. Weather, Geographical Contexts and Spatial Behaviour I (Sponsored by Human Dimensions of Global Change Specialty Group, Energy and Environment Specialty Group, Transportation Geography Specialty Group)**Room: *University - Sheraton Hotel, Union Tower, Fourth Floor*

(Paper Session)

ORGANIZER(S): Martin Dijst, Utrecht University; Mei-Po Kwan, Ohio State University

CHAIR(S): Martin Dijst, Utrecht University

8:00 Lars Bocker, MSc*, Utrecht University; Martin Dijst, Prof. Dr., Utrecht University; Jan Prillwitz, Dr., Utrecht University, *Weather and Travel Behaviour within Personal and Geographical Contexts.***8:20** Jon Denstadli*, Institute of Transport Economics; Jon Inge Lian, Institute of Transport Economics; Øystein Engebretsen, Institute of Transport Economics, *Impacts of adverse and favorable weather conditions on transport mode choice.***8:40** Nobuaki Ohmori*, the University of Tokyo, *Differences in Travel Behavior between on Fine Days and on Rainy Days: International Comparison among 10 Cities in East Asian Countries.***9:00** Randi Hjorthol*, Institute of Transport Economics, *Winter weather - an obstacle for older people's activities?.*

Discussant(s): Mei-Po Kwan, Ohio State University

SATURDAY, APRIL 16 • 8:00 AM - 9:40 AM • 5100

- 5159. China: Transportation Development & Infrastructure (Sponsored by China Specialty Group)**
Room: *Virginia - Sheraton Hotel, Union Tower, Fourth Floor*
(Paper Session)
ORGANIZER(S): Piper Gaubatz, University Of Massachusetts
CHAIR(S): Si-Ming Li, Hong Kong Baptist University
8:00 Matias Ruiz Lorbacher*, Freie Universität Berlin (Germany); Matthias Kracht, Freie Universität Berlin, Urban Studies, *Sustainable Urban and Transport Planning in China*.
8:20 Quan Hou*, Department of Geography, Hong Kong Baptist University, *Jobs/Housing Balance and Commute in Urban China: A Multi-temporal and Multi-level Analysis of Guangzhou*.
8:40 Si-Ming Li*, Hong Kong Baptist University; Quan Hou, Hong Kong Baptist University, *Spatial Restructuring, Rapid Motorization, and Evolving Commute in Urban China: A Case Study of Guangzhou*.
9:00 Yves Boquet*, Université De Bourgogne, *High-speed rail in China and its territorial impact*.
- 5165. Contemporary Issues in Rural China I (Sponsored by China Specialty Group)**
Room: *Greenwood - Sheraton Hotel, Union Tower, Third Floor*
(Paper Session)
ORGANIZER(S): Piper Gaubatz, University Of Massachusetts; Gregory Veeck, Western Michigan University
CHAIR(S): Gregory Veeck, Western Michigan University
8:00 Jessica Wilczak*, University of Toronto, *Reconstructing Sichuan: Planning the new countryside in the wake of the Wenchuan earthquake*.
8:20 Lanchih Po*, University of California, Berkeley, *Women's struggles for membership rights in China's rural collective economies: The case of "out-married" women in Guangdong Province*.
8:40 Gregory Veeck*, Western Michigan University; Wei Shui, Dr., Sichuan Agricultural University, *China's Quiet Agricultural Revolution: Policies, Production, and Farm Incomes in the New Millennium*.
9:00 Max Lu*, Kansas State University, *Globalization, Regional Inequality and Rural-Rural Labor Migration in China*.
- 5161. Race and Space 4: Praxis**
Room: *Ballard - Sheraton Hotel, Pike Tower, Third Floor*
(Paper Session)
ORGANIZER(S): Kate Derickson, University of Glasgow; Rachel Brahinsky, University of California - Berkeley
CHAIR(S): Clement Lai, Cornell University
8:00 Kate Driscoll Derickson, PhD*, University of Glasgow, *The racial politics of neoliberal regulation in post-Katrina Mississippi*.
8:20 Serin Houston*, Syracuse University, *Seattle, Sustainability, and Social Justice: Articulating a Systems Equity Framework*.
8:40 Stuart Schrader*, New York University, *Resisting the Place Effect*.
9:00 Punam Khosla*, York University, *Shattered Bodies on the Landscapes of Capital: theorizing violent productions of race, gender and sexuality as a mode of accumulation*.
Discussant(s): Bobby M. Wilson, University Of Alabama
- 5166. Social Housing: Taiwan, Chile, and the U.S. (Sponsored by Urban Geography Specialty Group)**
Room: *Issaquah A - Sheraton Hotel, Union Tower, Third Floor*
(Paper Session)
ORGANIZER(S): Julie Cidell, University of Illinois
CHAIR(S): Lynne C Manzo, University of Washington
8:00 Yi-ling Chen*, University of Wyoming, *Reformulating the Developmental State in Neoliberalization: Social Housing Movement in Taiwan*.
8:20 Jan Dohnke*, Freie Universität Berlin, *Social Housing in the free market city*.
8:40 Chung Jaerin*, Kent State University, OH, *Quantitative Assessment of the HOPE VI Program from 1993-1998*.
9:00 Lynne C Manzo, PhD*, University of Washington, *What are just outcomes for public housing redevelopment?*.
- 5167. Professional Development in Geographic Education**
Room: *Issaquah B - Sheraton Hotel, Union Tower, Third Floor*
(Paper Session)
ORGANIZER(S): Program Committee
CHAIR(S): Alex Oberle, University of Northern Iowa
8:00 Kevin Czajkowski*, University of Toledo; Charlene Czerniak, University of Toledo; Janet Struble, University of Toledo; Gale Mentzer, University of Toledo; Lisa Brooks, University of Toledo; Mikell Lynne Hedley, University of Toledo, *Engaging Science Faculty in Teacher Professional Development: Renewable Energy*.
8:20 Sarah Jane Caban*, National Geographic Education, *Geography Awareness Week 2011: Find out how to participate!*.
8:40 Casey D Allen*, University of Colorado Denver, *Scaleless Geomorphology: Integrating Fieldwork into Pedagogy on an Urban Campus*.
9:00 Paul C Sutton*, University of Denver, *Confessions of an 'Anti-Assessment' Curmudgeon: Developing a 'Learning Outcomes' metric for an undergraduate geography program*.
9:20 Alex Oberle*, University of Northern Iowa; Hillery Oberle*, University of Northern Iowa, *The Role of External Funding for Early-Career Geographers*.
- 5164. Geographies of post-socialist transformations in Central and Eastern Europe**
Room: *Fremont - Sheraton Hotel, Union Tower, Third Floor*
(Paper Session)
ORGANIZER(S): Petr Pavlinek, University Of Nebraska at Omaha
CHAIR(S): Petr Pavlinek, University Of Nebraska at Omaha
8:00 Vassilis Monastiriotis, Dr*, London School of Economics, *Regional structures and performance during transition and EU accession: the CEE experience*.
8:20 Christian Sellar*, University of Mississippi, *Changing governmentality: multiple 'rituals of listening to foreigners' in Bulgaria and Western Ukraine*.
8:40 Zoltán Gál, Dr*, Centre for Regional Studies Hungarian Academy, University of Kaposvár; Pavel Ptáček Ptáček, Dr., Palacký University in Olomouc, Department of Geography, *The Role of Mid-Ranged Universities in Knowledge Transfer: The Case of Non-Metropolitan Regions in Central Eastern Europe*.
9:00 Robert Guzik*, Institute of Geography and Spatial Management, Jagiellonian University, *The deregulation of public transport and spatial accessibility in rural areas of the Central and Eastern Europe*.
9:20 Petr Pavlinek*, University of Nebraska at Omaha and Charles University in Prague; Jan Zenka, Charles University in Prague, *The Internationalization of Corporate R&D: Effects in the Automotive Industry of East-Central Europe*.

SATURDAY, APRIL 16 • 8:00 AM - 9:40 AM • 5100**5169. Integration Issues and Challenges in Europe**Room: *Leschi - Sheraton Hotel, Union Tower, Third Floor*

(Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Petr Dostal, Charles University in Prague

8:00 Kaj Zimmerbauer*, University of Oulu, *Supranational regionalism on the fringes of Europe: Case studies of Barents and Ireland-Wales cross border regions.***8:20** Jedidiah J Riley*, Kansas State University, *Expanding Complex Interdependence Theory: Going Beyond Economics.***8:40** Bostjan Rogelj*, Filozofska Fakulteta, *Schengen area and Slovenia.***9:00** Eduarda Marques Da Costa, Professor*, Centre for Geographical Studies ? University of Lisbon, *The impact of globalization and increased trade liberalization on European regions - the case of textile in the North Region of Portugal.***9:20** Petr Dostal*, Charles University in Prague, *Ambivalent European Union and Turkey's bid to enter the European Union.***5170. The Social and Environmental Reorganization of Land and Livelihood in Europe**Room: *Medina - Sheraton Hotel, Union Tower, Third Floor*

(Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Andrea Collins, Cardiff University

8:00 Miroslav Marada*, Charles University, Faculty of Science; Vít Jancák, Charles University in Prague, Faculty of Science; Tomáš Havlíček, Charles University in Prague, Faculty of Science; Pavel Chromý, Charles University in Prague, Faculty of Science; Petra Vondráčková, Charles University in Prague, Faculty of Science; Viktor Kveton, Charles University in Prague, Faculty of Science, *Human and Social Capital in Rural and Peripheral Areas in Czechia: Context, Spatial Differentiation, Prospects.***8:20** Yelizaveta Skryzhevskaya*, Miami University of Ohio, *Rural Population in Ukraine: Assessing Reality, Looking for Revitalization..***8:40** Sarah Harris*, Denison University, *A Landscape Contested: Results from the first two seasons of the Cyprus Cultural and Ecological Mapping Project.***9:00** Daragh O'Brien*, Dublin Institute of Technology, *To Identify the Causes and Types of Boundary Disputes in Ireland and Quantify their Incidence.***9:20** Andrea Collins*, Cardiff University, *Engaging with the Ecological Footprint Indicator: A comparison of experiences in the United Kingdom and Australia.***5171. Privilege and Space I**Room: *Metropolitan Ballroom A - Sheraton Hotel, Third Floor*

(Paper Session)

ORGANIZER(S): Bradley Gardener, CUNY Graduate Center

CHAIR(S): Bradley Gardener, CUNY Graduate Center

8:00 Merrick D. Pilling*, York University; Catherine Jean Nash, Brock University, *'Taking Up Space': Spatialized Privilege in Toronto's 'Queer West' Scene.***8:20** Jackal Tanelorn, BA*, Florida International University - PhD student, *Global Citizenship: Altruistic & Enlightened or Elitist & Exclusive?.***8:40** Jennifer Kondo*, Columbia University; Shamus Khan, PhD, Columbia University, *The privilege of exposure: spatial inequality of arts and cultural institutions.***9:00** David Hugill*, York University; Tyler McCreary, York University, *The Forensics of Absolution: The Politics of Racial Visibility and Media Coverage of the Case of Michael Bryant.***5172. Land Cover Trends in the United States: 1973-2000**Room: *Metropolitan Ballroom B - Sheraton Hotel, Third Floor*

(Paper Session)

ORGANIZER(S): Benjamin Sleeter, United States Geological Survey; Thomas R. Loveland, United States Geological Survey

CHAIR(S): Thomas R. Loveland, United States Geological Survey

8:00 Thomas R. Loveland*, United States Geological Survey, *Major Land Use and Land Cover Changes in the Conterminous United States: 1973-2000.***8:20** Benjamin Sleeter*, United States Geological Survey, *Contemporary Land Use and Land Cover Change in the Western United States.***8:40** Kristi L Saylor*, United States Geological Survey, *Contemporary Land Cover and Land Use Change in the Eastern Region of the United States.***9:00** Roger Auch*, United States Geological Survey, *Contemporary Land Cover and Land Use Change in the Midwest- South Central Region of the United States.***9:20** Mark A. Drummond*, United States Geological Survey, *Land Change Dynamics and Human-Environment Systems in the Great Plains.***5173. Governing uncertainty or governing with uncertainty? Reflections on power, risk, and insecurity**Room: *Queen Anne - Sheraton Hotel, Union Tower, Third Floor*

(Paper Session)

ORGANIZER(S): Julie-Anne Boudreau, University of Quebec; Felipe De Alba, MIT

CHAIR(S): Felipe de Alba, MIT

8:00 Felipe de Alba, MIT*, *Imagined communities facing ecological catastrophes in Mexico: How to govern uncertainty?.***8:15** David Madrigal, PhD*, El Colegio de San Luis, *City and social environmental conflicts: policy-making and governance with uncertainty in the Potosí San Luis Valley..***8:30** Analiese Richard, Ph.D.*, University of the Pacific, *"iNi Maiz!": Urban Insecurity and Genetic Risk in Mexico's Food Sovereignty Movement.***8:45** Maria Josefina Perez-Espino*, El Colegio de la Frontera Norte, *The uncertainty of immigration: A perspective from the modern Mexican State.***9:00** Anaik Purenne*, University of Lyon; France Spenlehauer, Ecole des Ponts Paris Tech; Vincent Spenlehauer, Ecole des Ponts Paris Tech, *The tools of government in a context of uncertainty: old wine in new bottles?.***9:15** Julie-Anne Boudreau*, Institut national de la recherche scientifique; Julien Rebotier, CNRS, *From risk to uncertainty: Epistemological reflections on control, fear, and action.***5174. GIS Tools for Patterns Detection and Clustering**Room: *Ravenna - Sheraton Hotel, Union Tower, Third Floor*

(Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Nancy Perry

8:00 Yanli Zhang*, Stephen F. Austin State University; Brian P. Oswald, Stephen F. Austin State University, *The development of a GIS tool, ArcSilviculture, to assist forest restoration.***8:20** Nasser A Alsaaran*, King Saud University, *An ArcGIS tool for deriving spatially distributed rainfall from point data.*

SATURDAY, APRIL 16 • 8:00 AM - 9:40 AM • 5100

- 8:40** Guofeng Cao*, University of California, Santa Barbara; Phaedon C. Kyriakidis, University of California, Santa Barbara; Michael F. Goodchild, University of California, Santa Barbara, *A Computer package for modeling, prediction and simulation of categorical spatial data.*
- 9:00** Yao-Yi Chiang*, University of Southern California; Craig A. Knoblock, University of Southern California, *Harvesting Geographic Features from Heterogeneous Raster Maps.*
- 9:20** Nancy Perry*, George Mason University; Kevin M Curtin, PhD, George Mason University, *A Comprehensive Process for Spatial Cluster Analysis.*
- 5176. Place, Conservation, and the Local Perspective**
Room: Aspen Room - Sheraton Hotel, Second Floor (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Rebecca Grover
- 8:00** David Widner*, Kent State University, *Sugar Creek Watershed: Environmental perception and practices of the Old Order Amish.*
- 8:20** Smriti Dahal*, Texas A&M University; Sanjay K Nepal, PhD, Texas A&M University, *Questioning the "success" of Annapurna Conservation Area: An examination of participation of marginal groups in conservation.*
- 8:40** Nicole Alexander, Ph.D.*, Center for Geographic Analysis, Harvard University; John Mugane, Ph.D., Department of African and African American Studies, Harvard University, *A Quantitative Assessment of the Relationship between Biological Diversity and Linguistic Diversity in Kenya.*
- 9:00** Rebecca M. Grover*, San Diego State University, *Local Perspectives on Environmental Degradation and Community Infrastructure in Los Laureles Canyon, Tijuana, Mexico.*
- 5181. Neglected Tropical Diseases (Sponsored by Health and Medical Geography Specialty Group)**
Room: Grand Ballroom C - Sheraton Hotel, Second Floor (Panel Session)
 ORGANIZER(S): Joseph R Oppong, University of North Texas
 CHAIR(S): Joseph R Oppong, University of North Texas
 Panelists: Joseph R Oppong, University of North Texas
- 5183. Nuclear Spaces**
Room: Juniper Room - Sheraton Hotel, Second Floor (Paper Session)
 ORGANIZER(S): Laura Pitkanen; Phil Johnstone, university of exeter
 CHAIR(S): Phil Johnstone, university of exeter
- 8:00** Laura Pitkanen*, University of Toronto, *Uranium and Environmental Justice in Finland.*
- 8:15** Susan M. Macey*, Texas State University, *Nuclear Power and Environmental Equity: An Analysis of Existing and Proposed Sites.*
- 8:30** Barbara Grahmann, M.S.*, Texas State University-San Marcos, *College Students' Perceptions of the Risks and Benefits of Nuclear Power Production.*
- 8:45** Katherine A. Wirka*, University of Wisconsin - Madison, *Jáchymov, Czech Republic: A Crossroads of the Regenerative and Destructive Properties of Uranium.*
- 9:00** Patrick Vitale*, University of Toronto, *Nuclear Suburbs: Producing nuclear expertise in Cold War-era Pittsburgh.*
- 5184. Knowledge Economies and Industries**
Room: Madrona Room - Sheraton Hotel, Second Floor (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Taner Osman, University of California, Los Angeles
- 8:00** Eunjoo Oh*, Korea Research Institute for Local Administration, *Organizing Diverse Knowledge for New Product Development.*
- 8:20** Bravishwar Mallavarapu*, UCLA Urban and Regional Planning, *Interregional Manufacturing Growth in Post-Reforms India: Impact of Delicensing by Knowledge Intensity.*
- 8:40** Der-Shiuan Lee*, Arizona State University, *The Dynamics of Collaborative Networks in US Metropolitan Areas.*
- 9:00** Taner Osman*, University of California, Los Angeles, *The dispersion of the information technology industry throughout the San Francisco Bay Area, 1981-2008.*
- 9:20** Jennie C. Stephens*, Clark University; Stephen McCauley, PhD, Clark University; Mary-Ellen Boyle, PhD, Clark University; Lisa Kwiatkowski, Clark University; Jing Zhang, Clark University, *Green-Energy Cluster Development in Worcester, Massachusetts: The Role of Universities and other Bridging Organizations.*
- 5185. Religion: History and Identity**
Room: Spruce Room - Sheraton Hotel, Second Floor (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Olaf Kuhlke, University Of Minnesota - Duluth
- 8:00** Fayyaz Vellani, PhD*, Institute of Ismaili Studies, *Born in the USA: Islam in contemporary American contexts.*
- 8:20** Olaf Kuhlke*, University Of Minnesota - Duluth, *From Sacred Space to Public Place: Anti-Masonry, American Transcendentalism, and the transformation of the Boston Masonic Temple, 1830-1864..*
- 8:40** Brett R. Chloupek*, Univeristy of Kansas, *Geography, Catholicism, and Communism in Slovakia, 1948-1989: The struggle for space, place, and identity..*
- 5186. Nazi-geographies: continuities and ruptures in geographical thought and practice**
Room: Willow A - Sheraton Hotel, Second Floor (Paper Session)
 ORGANIZER(S): Christian Abrahamsson, Wageningen University; Claudio Minca, Wageningen University
 CHAIR(S): Trevor J. Barnes, University Of British Columbia
- 8:00** Paloma Puente-Lozano*, University Carlos III, *The Mountain and the Province. Heidegger's geographic thought, telluric imagination, and the question of filmic landscapes in Nazi Germany.*
- 8:20** Paolo Giaccaria*, University of Torino; Claudio Minca, Wageningen University, *Between selva and città: the structure of the ban and the Nazi spatial imagination..*
- 8:40** Clemens Driessen*, Kings College London; Jamie Lorimer, Kings College London, *In search of the Aryan cow: the bio- and geo-politics of Nazi back-breeding programmes.*
- 9:00** Matthew G. Hannah*, Aberystwyth University, *Götz Aly and the geographies of National Socialism.*
- 9:20** Christian Abrahamsson*, Wageningen University, *Kampf um Raum: on the geographical imagination of Lebensraum.*

SATURDAY, APRIL 16 • 8:00 AM - 9:40 AM • 5100**5187. Mass Movement Processes**

Room: Willow B - Sheraton Hotel, Second Floor (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Yung Chung Chuang, Dept of Geography, The University of British Columbia

8:00 Irena Mrak, PhD*; Silke Merchel, PhD; Regis Braucher, PhD; Lucilla Benedetti, PhD; Robert C. Finkel, PhD; Didier Bourlès, PhD, *The application of surface exposure dating method in case of Veliki vrh rockfall (Karavanke Mountains, Slovenia).*

8:20 John Shroder, Ph.D.*, University of Nebraska, *Quasi-stable landslide lakes in Hindu Kush and Western Himalaya..*

8:40 Terence Day*, Okanagan College, *The impacts of climate change on the global distribution of landslides.*

9:00 Yung Chung Chuang*, Department of Geography, The University of British Columbia; Su Min Shen, Department of Geography, National Taiwan Normal University; Chih Da Wu, Research Center for Environmental Changes, Academia Sinica, Taipei, Taiwan, *Development and landslides: examples from the Shihmen Reservoir Catchment, Taiwan.*

9:20 Ming Jian Wei*, Resource Environment and Geographic Information System Beijing Key Laboratory, Beijing 100048; Yonggang Ge, Institute of Mountain Hazards and Environment, Chinese Academy of Sciences, Chengdu 610041; Rui Zhou, Resource Environment and Geographic Information System Beijing Key Laboratory, Beijing 100048; Bolin Pan, Resource Environment and Geographic Information System Beijing Key Laboratory, Beijing 100048; Zhaowen Liu, Resource Environment and Geographic Information System Beijing Key Laboratory, Beijing 100048; Youbing He, Resource Environment and Geographic Information System Beijing Key Laboratory, Beijing 100048; Dongxu Li, Resource Environment and Geographic Information System Beijing Key Laboratory, Beijing 100048, *The Mechanism Of Debris Flow Deposition Dating.*

SATURDAY, APRIL 16 • 10:00 AM - 11:40 AM • 5200**5203. Geographies of Suburbia**

Room: 603 - Washington State Convention Center, Level 6 (Paper Session)

ORGANIZER(S): Daniel Trudeau, Macalester College

CHAIR(S): Benjamin Cheng, University of Illinois at Urbana-Champaign

10:00 Jason Rhodes, Ph.D. Student*, University of Georgia, *Exploring the Intellectual Roots of the Suburbs: The Capitalism of Richard T. Ely.*

10:20 Magali Eve Chevalier*, York University, *Gendered Acculturation at Home: Laotian Youth in Suburban Montreal.*

10:40 Ondine Park*, University of Alberta, *Ambivalent Suburbia: ordinariness, happiness and hopefulness and the suburban imaginary.*

11:00 Per G Røe*, University of Oslo, Department of Sociology and Human Geography, *Suburbanisms - "within" a dissolving welfare state model.*

11:20 Benjamin Cheng, Ph.D.*, University of Illinois at Urbana-Champaign, *Democracy in Suburbia: Political Incorporation in Chicago-area Multicultural Suburbs.*

5206. Beyond Yellowstone: The future of conservation II (Sponsored by Cultural and Political Ecology Specialty Group, Human Dimensions of Global Change Specialty Group)

Room: 606 - Washington State Convention Center, Level 6 (Paper Session)

ORGANIZER(S): Ashwini Chhatre, University of Illinois at Urbana-Champaign; Peter Wilshusen, Bucknell University

CHAIR(S): Ashwini Chhatre, University of Illinois at Urbana-Champaign

10:00 Brian Child*, University of Florida; Patricia Mupeta, University of Florida; Shylock Muyengwa, University of Florida; Rodgers Lubilo, University of Kent, *Cross-scale governance, conservation, and social change.*

10:15 Michael B Mascia*, World Wildlife Fund; Fitriyannti Pakiding, UNIPA; Helen Fox, WWF; Louise Glew, U. Southampton, *Protected areas and poverty alleviation: Insights from Papua, Indonesia.*

10:30 Jean-Gael E. Collomb, Ph.D.*, National Science Foundation, *Developing Locally Relevant Human Wellbeing Measures: Opportunities and Challenges in the Context of Community-Based Natural Resources Management in Northeastern Namibia.*

10:45 Peter Wilshusen*, Bucknell University, *Capitalizing Conservation.*

Discussant(s): Ashwini Chhatre, University of Illinois at Urbana-Champaign

5207. Geographical Imaginaries and Cultural Representations

Room: 607 - Washington State Convention Center, Level 6 (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Mia DeNardi, Miami University; Ohio University

10:00 Gordon M Winder*, LMU-Munich, *Haitian Imaginaries: The Los Angeles Times Reports the Earthquake and Relief Effort of January 2010.*

10:20 Alyssa Stryker*, University of British Columbia, *Placing Poverty: The First and Third Worlds in Canadian Representations of Poverty.*

10:40 Nicolas Ortega*, Universidad Autonoma de Madrid, *The landscape as a national symbol: Castilla and the Sierra de Guadarrama (Spain).*

11:00 Mia DeNardi*, Ohio University; David Prytherch, PhD, Miami University, *Cultural Identity, Territory, and the Palio in Siena, Italy.*

5208. Patterns of Changing Climate

Room: 608 - Washington State Convention Center, Level 6 (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Walker Ashley, Northern Illinois University

10:00 Joshua M Gilliland*, Western Kentucky University; Joshua D Durkee, Western Kentucky University, *A climatology of high-wind events associated with post-tropical cyclones.*

10:20 James A Miller, PhD*, California State University-Fullerton, *The Effect of Summer Monsoon Intensity on Autumn Climate in the Southwestern United States.*

SATURDAY, APRIL 16 • 10:00 AM - 11:40 AM • 5200

- 10:40** Karsten A. Shein*, NOAA National Climatic Data Center, *Spatial Patterns of Climate Extremes for the Caribbean Basin.*
- 11:00** Peng Jia*, University of Florida; Corene J. Matyas, Dr., University of Florida, *Comparison of Moisture Content and Estimated Rainfall for Florida Landfalling Hurricanes.*
- 11:20** Walker Ashley*, Northern Illinois University; Mace Bentley, Northern Illinois University; Tony Stallins, Florida State University, *Urban Augmentation of Thunderstorm Frequency and Severity.*
- 5209. Powers of Habit II: Appropriations of Race, Art and Matter**
 Room: 609 - Washington State Convention Center, Level 6
 (Paper Session)
 ORGANIZER(S): John-David C. Dewsbury, University Of Bristol; David Bissell, The Australian National University
 CHAIR(S): David Bissell, The Australian National University
10:00 Lauren Wagner*, UCL, *Habitual bodies in the wrong clothes: Diasporic visitors becoming 'Moroccan' bodies.*
10:20 Mark S Jackson*, University of Bristol, *In Our Chthonic Habitat: For an Implicate Economy of Decay.*
10:40 Andrew Lapworth*, University of Bristol, *Habit, Sensation, and the Politics of Art: After Ravaisson and Deleuze.*
 Discussant(s): John-David C. Dewsbury, University Of Bristol
- 5211. Virtual Mapping**
 Room: 611 - Washington State Convention Center, Level 6
 (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Timothy Wallace, University of Wisconsin - Madison
10:00 Travis White*, University of Kansas, *Evaluating the Effectiveness of Thematic Mapping in Virtual Globe Environments.*
10:20 Weichia Huang*, Jinn guey Lay, Prof., *Determining the popularity of place-names.*
10:40 Koichi Hiramatsu*, Nagoya University, *Building interoperable archival authority data for place name by PI-based gazetteer.*
11:00 Tom Carlson, PhD*, USGS; Scott Van Hoff, USGS, *USGS National Map Viewer and US Topo.*
11:20 Timothy Wallace*, University of Wisconsin-Madison, *Cartographic Decision Making for the GeoWeb: Lessons Learned from the Wisconsin Coastal Atlas.*
- 5212. Legal Economic Geographies II**
 Room: 612 - Washington State Convention Center, Level 6
 (Panel Session)
 ORGANIZER(S): Michael Smith, University of British Columbia; Noah Quastel, University of British Columbia
 CHAIR(S): Noah Quastel, University of British Columbia
 Panelists: Carl J Bauer, University of Arizona; Ann Myatt James, Pennsylvania State University; Jessica Dempsey, University of British Columbia; Reecia Orzeck, University of Vermont; Michael Smith, University of British Columbia
- 5213. World-Ecological Modernities II (Sponsored by Cultural and Political Ecology Specialty Group, Socialist and Critical Geography Specialty Group, Economic Geography Specialty Group)**
 Room: 613 - Washington State Convention Center, Level 6
 (Panel Session)
 ORGANIZER(S): Diana Gildea; Jason W. Moore
 CHAIR(S): Rebecca Lave, Indiana University Dept of Geography
 Panelists: Georgina Drew, University of North Carolina, Chapel Hill; Diana Gildea; Daniel Buck, University of Oregon; Anna Zalik
- 5214. Interrogating the Politics of Expertise in Urban and Regional Development II (Sponsored by Political Geography Specialty Group, Cultural and Political Ecology Specialty Group, Urban Geography Specialty Group)**
 Room: 614 - Washington State Convention Center, Level 6
 (Paper Session)
 ORGANIZER(S): Malini Ranganathan, University of California at Berkeley; Erica Kohl-Arenas, The New School
 CHAIR(S): Erica Kohl-Arenas, The New School
10:00 Julie Cidell*, University of Illinois, *"Safe and sustainable by the book": the International Green Construction Code as information infrastructure.*
10:20 Benjamin Kent Haywood, M.P.A. *, University of South Carolina, *Alterations, Self-Deception and Competing Priorities: The Dissociative Identity Disorder of Energy Efficiency Environmentalism.*
10:40 Cheryl Deutsch*, Department of Anthropology, University of California at Irvine, *Worlding the City: Transportation Planning as Ethnography in Delhi's "Neoliberal" Restructuring.*
11:00 Malini Ranganathan*, University of California, Berkeley, *Banking on Water: Debt, Discipline, and the Financialization of Policy Expertise in Bangalore.*
- 5215. Place and the Production of Identity (Sponsored by Ethnic Geography Specialty Group)**
 Room: 615 - Washington State Convention Center, Level 6
 (Paper Session)
 ORGANIZER(S): Neiset Bayouth, Rutgers University; Luis Sánchez-Ayala, Universidad de los Andes
 CHAIR(S): Neiset Bayouth, Rutgers University
10:00 Jose R. Diaz-Garayua, Ph.D. *, Coppin State University, *The Space as a Tool to Challenge Power Relations: The University of Puerto Rico's Students' Strike.*
10:20 Luis D. Sánchez-Ayala, PhD*, Universidad de los Andes, *Space and the Production of Racial/Ethnic Identity.*
10:40 Zevio Schnitzer*, Department of Geography, University of Puerto Rico, *Mass Tourism Marketing and Identity Production in Puerto Rico.*
11:00 Roberto E. Morales Lopez*, State University of New York, Binghamton, *Place attachment, perception and preferences towards tourism development in northeastern Puerto Rico..*
11:20 Neiset Bayouth*, Rutgers University, *Coffeehouses and narghile lounges as sites of the performance of identity: diaspora, ethnic entrepreneurship and urban tourism.*
- 5217. Geography on the Mac (Sponsored by Cartography Specialty Group)**
 Room: 617 - Washington State Convention Center, Level 6
 (Paper Session)
 ORGANIZER(S): Jill Saligoe-Simmel, Mapdiva, LLC
 CHAIR(S): Jill Saligoe-Simmel, Mapdiva, LLC
 Introducer: Jill Saligoe-Simmel
10:01 Gaige B Paulsen*, ClueTrust, *Using GIS for Crime Analysis on the Mac.*
10:21 Kazimierz Zaniewski*, University of Wisconsin, *Mapmaking with Cartes et Données.*
10:41 Larry Biehl*, Purdue University, *MultiSpec for Remote Sensing.*
11:01 Daniel Strebe*, Mapmathematics LLC, *Introduction to Geocart 3 Map Projection Software.*
11:21 Jill Saligoe-Simmel, Ph.D. *, Mapdiva, LLC; Graham P. Cox, MSc, Mapdiva, LLC, *Introducing Map Design with Ortelius for Mac OS.*

SATURDAY, APRIL 16 • 10:00 AM - 11:40 AM • 5200

- 5218. Geography and geospatial technologies outreach (Sponsored by Geography Education Specialty Group)**
Room: 618 - Washington State Convention Center, Level 6
 (Panel Session)
 ORGANIZER(S): L Jesse Rouse, UNC Pembroke; Jeffrey James Dunn, University of Connecticut
 CHAIR(S): L Jesse Rouse, UNC Pembroke
 Panelists: L Jesse Rouse, UNC Pembroke; Jeffrey James Dunn, University of Connecticut
- 5219. Advancements in Hyperspectral Remote Sensing (Sponsored by Remote Sensing Specialty Group)**
Room: 619 - Washington State Convention Center, Level 6
 (Paper Session)
 ORGANIZER(S): L. Monika Moskal, University of Washington
 CHAIR(S): Alexandra Kazakova, University of Washington
 Introducer: L. Monika Moskal
10:20 Alexandra Kazakova*, University of Washington; L. Monika Moskal, PhD, University of Washington; Diane M Styers, PhD, University of Washington, *Hyperspectral remote sensing of urban tree species.*
10:40 Stephan Gmur*, University of Washington; Daniel Vogt, PHD, University of Washington; Darlene Zabowski, PHD, University of Washington; L. Monika Moskal, PHD, University of Washington, *Comparing Soils Using VIS and NIR Hyperspectral Remote Sensing.*
11:00 Angeles Casas, PhD*, University of California; Jonathan A Greenberg, PhD, University of California; Juei Wen Ho, University of California; Erin L Hestir, PhD, University of California; Susan L Ustin, PhD, University of California, *Impact of riparian trees upon the stability of levees on the Sacramento River using airborne LiDAR and hyperspectral sensors.*
11:20 David P. Lusch, Ph.D.*, Michigan State University; Robert F. Goodwin, GISP, Michigan State University; Brian L. Becker, Ph.D., Central Michigan University, *Optimum Hyperspectral Bands for Assessing Leaf-Spot Disease Severity in Sugar Beets.*
- 5220. Mobilities, Borders, and Imprisonment VI: Conceptualizing Migration-related Detention (Sponsored by Political Geography Specialty Group, Ethics, Justice, and Human Rights Specialty Group)**
Room: 620 - Washington State Convention Center, Level 6
 (Paper Session)
 ORGANIZER(S): Nancy A. Hiemstra, Syracuse University; Lauren Martin, University of Kentucky
 CHAIR(S): Lauren Martin, University of Kentucky
10:00 Deirdre Conlon, PhD*, Emerson College, *Fear and hope: advocacy and activism related to migrant detention amidst a state of emergency.*
10:20 Adam Levy*, University of Colorado-Boulder, *Eastern European Exclusion and Remote Control Borders: Managing Moldova(ns).*
10:40 Michael Flynn*, Global Detention Project, *Coding the Detention of Non-citizens.*
11:00 Jenna M. Loyd*, Syracuse University; Alison Mountz, Syracuse University, *Where is Remote?: Conceptualizing the Isolation of Detention.*
 Discussant(s): Monica Varsanyi, City University of New York
- 5224. GIS and Citizen Science: Methods and Tools (Session 2) (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group, Communication Geography Specialty Group)**
Room: 301 - Washington State Convention Center, Level 3
 (Paper Session)
 ORGANIZER(S): Chen Xu
 CHAIR(S): Peter Johnson, McGill University
10:00 Zia Salim*, San Diego State University / University of California, Santa Barbara; Tiffany Seeley, California State University, Fullerton, *Mapping housing compounds in the Middle East: An application of user generated data.*
10:20 Shadrock Roberts*, University of Georgia, *VGI in humanitarian crises: What on Earth is Ushahidi and why does it matter?.*
10:40 Jonnell Allen Robinson, M.P.H., Ph.D.*, Syracuse University, *More than Maps: The Unforeseen Results of Participatory Hunger Mapping in Syracuse, New York.*
11:00 Paddington Hodza*, University of Colorado, Colorado Springs, *Beyond empowerment: Geoparticipation and community inspiration.*
- 5225. Urban Wildland Interface**
Room: 302 - Washington State Convention Center, Level 3
 (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Amy Stephens Davis, University of North Carolina, Charlotte
10:00 Sainan Zhang*, Arizona State University; Christopher G. Boone, Arizona State University; Abigail M. York, Arizona State University, *Impacts of land fragmentation on biodiversity in the Phoenix metropolitan region.*
10:20 Anna Badia*, Universitat Autònoma de Barcelona; Albert Pèlachs, Universitat Autònoma de Barcelona; Joan Manuel Soriano, Universitat Autònoma de Barcelona, *Naturbanization and forest fires in the Catalan Pyrenees.*
10:40 Atu Joy Eko, University of Calabar, Nigeria; Francis Ebuta Bisong*, University of Calabar, *Urban Sprawl Effects On Biodiversity in Peripheral Agricultural Lands in Calabar, Nigeria.*
11:00 Amy Stephens Davis*, University of North Carolina, Charlotte, *Interacting disturbances: effects of urbanization and exotic species invasions on native plant diversity.*
11:20 Michaela Buenemann*, New Mexico State University, *Characterizing Land Change and Ecosystem Service Hotspots in the Desert Southwest: Results from Southwestern New Mexico.*
- 5227. Reconstructions of Paleoenvironments and Past Human-Environment Interactions II: Eastern North America (Sponsored by Paleoenvironmental Change Specialty Group, Biogeography Specialty Group, Geomorphology Specialty Group)**
Room: 304 - Washington State Convention Center, Level 3
 (Paper Session)
 ORGANIZER(S): Michelle Goman, Cornell University; Catherine Helen Yansa, Michigan State University
 CHAIR(S): Michelle Goman, Cornell University
10:00 Catherine Helen Yansa*, Michigan State University; Peter M. Jacobs, University of Wisconsin-Whitewater, *Pleistocene-Age Giant Beaver (Castoroides ohioensis) and Extant Beaver (Castor canadensis) Environments of southern Wisconsin.*

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- 10:20** Kristin M Adams*, Michigan State University; Catherine H Yansa, Ph.D., Michigan State University, *Using GIS to Model Mammoth and Mastodon Diets for the Great Lakes Region.*
- 10:40** Joan Bunbury*, Department of Geography, University of Toronto; Sarah A. Finkelstein, Department of Geography, University of Toronto; Joerg Bollmann, Department of Geology, University of Toronto, *Mid- to late-Holocene paleohydrology inferred from testate amoebae in the Hudson Bay Lowlands, northern Ontario.*
- 11:00** Samuel Erik Munoz, B.Sc., M.Sc.*, University of Wisconsin-Madison; Konrad Gajewski, Ph.D., University of Ottawa, *Distinguishing the influence of prehistoric agriculture on late Holocene forests of southern Ontario, Canada.*
- 11:20** Stephen B Carmody*, Department of Anthropology, University of Tennessee, Knoxville; Sally P Horn, Department of Geography, University of Tennessee, Knoxville; Maria A Caffrey, Department of Geography, University of Tennessee, Knoxville, *Palynological and Chemical Analyses of Pipe Residues as Evidence of Tobacco Use in the Southeastern U.S.*
- 5228. Multi-temporal Remote Sensing of Snow and Ice (Sponsored by Climate Specialty Group, Cryosphere Specialty Group, Mountain Geography Specialty Group)**
Room: 305 - Washington State Convention Center, Level 3
(Paper Session)
ORGANIZER(S): Christopher J. Crawford
CHAIR(S): Christopher J. Crawford
- 10:00** Luke D. Trusel*, Graduate School of Geography, Clark University; Karen E. Frey, Ph.D., Graduate School of Geography, Clark University; Sarah B. Das, Ph.D., Department of Geology and Geophysics, Woods Hole Oceanographic Institution, *Quantifying the extent, duration, and intensity of surface melting across the Antarctic Ice Sheet, 1999-2009.*
- 10:20** Zhaohui Chi*, Dept of Geography, Texas A&M University; Andrew G. Klein, Department of Geography, Texas A&M University, *Surface melt mapping for Lambert Glacier-Amery Ice Shelf System (LAS) from satellite data: 2008-2010.*
- 10:40** Michael P. Bishop, Ph.D.*, University of Nebraska-Omaha; Jeffrey D. Colby, Ph.D., Appalachian State University, *Characterizing Multi-Scale Topographic Variation for Understanding Alpine Glacier Fluctuations in the Himalaya.*
- 11:00** Brandon Krumwiede*, Department of Geography, The University of Montana; Ulrich Kamp, Department of Geography, The University of Montana; Michael Walther, Environmental Education Centre, National University of Mongolia; Avirmed Dashtseren, Institute of Geography, Mongolian Academy of Sciences, *Glacial Variations from 1990 to 2010 in the Central Mongolian Altai.*
- 11:20** Christopher J. Crawford*, NASA Earth Systems Fellow, Department of Geography, University of Minnesota; Steve Manson, PhD, Department of Geography, University of Minnesota; Marvin E. Bauer, PhD, Department of Forest Resources, University of Minnesota, *Monitoring Mountain Snowpack on Historical Timescales using Landsat Remote Sensing.*
- 5229. Animated Representations: Animals, Media, and Place II (Sponsored by Cultural Geography Specialty Group, Animal Geography Specialty Group, Communication Geography Specialty Group)**
Room: 306 - Washington State Convention Center, Level 3
(Paper Session)
ORGANIZER(S): Sharon Wilcox Adams, University of Texas Austin
CHAIR(S): Sharon Wilcox Adams, University of Texas Austin
- 10:00** Sharon Wilcox Adams*, University of Texas Austin, *Bat City: Conservation, Cultural Identity and the Mexican Free Tailed Bat in Austin, Texas.*
- 10:20** Rhys Evans*, Høgskulen for Landbruk og Bygdenæringar, *Natural or not natural? Discursive judgments of equine welfare in Finnish Internet discussion forums..*
- 10:40** Maureen Riche*, York University, *Truth North Strong and? Feral?: Dogs and the Representation of Canada's North.*
- 11:00** Camilla Eriksson*, Swedish University of Agricultural Sciences; Erik Jönsson, Lund University, Department of Social and Economic Geography, *Wolves, warriors and the policed countryside: Swedish media representations of wolves, their lovers and their enemies.*
- 11:20** Renee A McGarry*, CUNY Graduate Center, *"On it stood the eagle": How Two Birds Founded Tenochtitlan.*
- 5230. Urban Adaptation-2 (Sponsored by Cultural and Political Ecology Specialty Group, Human Dimensions of Global Change Specialty Group, Climate Specialty Group)**
Room: 307 - Washington State Convention Center, Level 3
(Paper Session)
ORGANIZER(S): Arun Agrawal, University of Michigan; Maria Carmen Lemos, University of Michigan
CHAIR(S): Stephen Tyler, Adaptive Resource Management Ltd
- 10:00** Mette F Olwig*, Copenhagen University, *Disaster Risk Reduction, Climate Change Adaptation and "Community Groups": How Global Organizations Shape "Social Resilience" in an Urban and a Rural Area in Northern Ghana.*
- 10:20** Stephen Tyler, PhD*, Adaptive Resource Management Ltd; Marcus Moench, PhD, Institute for Social and Environmental Transition, *Urban Climate Resilience: a Framework for Adaptation Planning.*
- 10:40** Anne Browning-Aiken, Ph.D.*, Udall Center for Studies in Public Policy, Univ. of Arizona, *Recognizing the role of climate in water planning challenges: New trends in Urban water planning in the Sun Corridor of Arizona.*
- 11:00** Arun Agrawal, University of Michigan; Maria Carmen Lemos*, University of Michigan, *Adaptive Urbanization.*
- 5231. New Urbanism Thirty Years On (Sponsored by Urban Geography Specialty Group, Cultural Geography Specialty Group)**
Room: 308 - Washington State Convention Center, Level 3
(Paper Session)
ORGANIZER(S): Amanda Rees, Columbus State University; Jill Grant, Dalhousie University
CHAIR(S): Amanda Rees, Columbus State University
- 10:00** Jill L Grant, PhD*, Dalhousie University; Erika Ivanic, Dalhousie University, *Growing green? Implementing environmental values in new urbanism.*
- 10:20** Daniel Trudeau*, Macalester College, *The New Urbanism in Practice: Towards a Typology of Form and Content.*
- 10:40** Amanda Rees*, Columbus State University, *New Urbanism, the Urban Village Movement and Religious Space: Case Studies of Ave Maria and Shoal Creek (U.S.) and Poundbury and Newquay (U.K.).*

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11:00 Joseph F Cabrera*, University of Arizona, *New Urbanism in the Formation of Social Interaction, Social Connection, and Sense of Community*.
Discussant(s): Jennifer Speights-Binet, Samford University

5233. What's feminist about this work? Challenges and insights from feminist research methodologies (Sponsored by Geographic Perspectives on Women Specialty Group, Socialist and Critical Geography Specialty Group)

Room: 310 - Washington State Convention Center, Level 3
(Paper Session)
ORGANIZER(S): Kate Coddington Senner, Syracuse University; Roberta Hawkins, Clark University
CHAIR(S): Kate Coddington Senner, Syracuse University
10:00 Maureen H. Hickey, Ph.D.*, National University of Singapore, *The Non-Innocent Abroad: Researchers, Monsters, and Donna Haraway's "Politics of Affinity" in the Field*.
10:20 Caitlin O'Neill Gutierrez*, UCL, *Doing (Critical) Justice: An In/Outsider's Dilemmas of Presenting an "Authentic Voice" in Feminist Youth Research*.
10:40 Natalie Bourdon*, Mercer University, *What is in a Word?: Exploring Feminist Cross-Cultural Research on Feminism*.
Discussant(s): Lawrence D. Berg, University of British Columbia

5234. Right to the City: Seattle

Room: 3A - Washington State Convention Center, Level 3
(Panel Session)
ORGANIZER(S): Kate Derickson, University of Glasgow; Peter Hossler, University of Georgia
CHAIR(S): Nik Heynen, University of Georgia
Discussant(s): Mark H. Purcell, University of Washington

5235. Caribbean Responses to Global Change (2)

Room: 3B - Washington State Convention Center, Level 3
(Paper Session)
ORGANIZER(S): Kevon Rhiney, University of the West Indies - Mona; Benjamin Timms, Cal Poly
CHAIR(S): Kevon Rhiney, University of the West Indies - Mona
10:00 Benjamin F. Timms, PhD*, Cal Poly; McCracken Melissa, Cal Poly; James Hayes, PhD, Cal State Northridge, *Simulating a Counterfactual to Evaluate National Park Effectiveness in Jamaica*.
10:20 Carlos C Michel*, University of the West Indies, *Local People - Global Goods: Stakeholder Relations and the Impact on World Heritage in Saint Lucia*.
10:40 Clinton L Beckford*, University of Windsor, *Caribbean migrant farm workers in the Seasonal Agricultural Workers' Program in Southwestern Ontario, Canada: Opportunity or exploitation?*.
11:00 Kevon Rhiney, PhD*, University of the West Indies - Mona; Robert Kinlocke, University of the West Indies - Mona, *Urban livelihood responses to new trade regulations for the Jamaican scrap metal industry*.

5238. Climate change, landscape change, natural resource distribution, and conflict. Session 2 (Sponsored by Political Geography Specialty Group, Human Dimensions of Global Change Specialty Group, Development Geographies Specialty Group)

Room: 203 - Washington State Convention Center, Level 2
(Paper Session)
ORGANIZER(S): Tracy Van Holt, East Carolina University; Jürgen Scheffran, Institute for Geography, University of Hamburg
CHAIR(S): Marcellus Caldas, Kansas State University-Geography
10:00 Janpeter Schilling*, University of Hamburg, *Climate Change and Land-use Conflicts in Kenya*.

10:20 Tim Gulden*, George Mason University; Claudio Cioffi-Revilla, George Mason University; William G Kennedy, George Mason University; Atesmachew B Hailegiorgis, George Mason University; Jeff Bassett, George Mason University; Mark Coletti, George Mason University; Chenna-Reddy Cotla, George Mason University, *From Family Units to a Region with States: Representing the Dynamics of East Africa with the Rifiland Agent-Based Model*.

10:40 Tracy Van Holt*, East Carolina University; Jeffrey C. Johnson, Ph.D., East Carolina University, *A network analysis of natural resource conflict*.

11:00 Mark A. Butman, M.A.*, Courage Services, Inc., *Land Tenure Disputes and the Prospects of Conflict in Eastern Liberia*.

11:20 Marilyn Silberfein*, Temple University, *Residual Problems, Porous Borders and Contested Space: The Post Conflict Landscape of the Mano River Region, West Africa*.

5239. Law, State, Space 2: The Spatio/Legal Project of the State and its Geographic Limits

Room: 204 - Washington State Convention Center, Level 2
(Paper Session)
ORGANIZER(S): John Carr, University of New Mexico; Melinda Harm Benson, University of New Mexico
CHAIR(S): John Carr, University of New Mexico
10:00 Michal Kohout*, California State University, San Bernardino, *Immigration Politics in Southern California's Inland Empire Region*.
10:20 Majed Saeed Akhter*, University of Arizona, *Contentious Cartographies of Water Development: Delegitimizing the Indus Water Treaty of 1960*.
10:40 Teo Ballve*, UC Berkeley, *Territory by Dispossession: Decentralization, Statehood, and the Narco-Land Grab in Colombia*.
11:00 Allan Erbsen*, University of Minnesota Law School, *Constitutional Spaces*.
Discussant(s): Iza Hussin, University of Massachusetts Amherst

5240. Neoliberalizing Space: Critical Perspectives on Place Branding II (Sponsored by Urban Geography Specialty Group, Socialist and Critical Geography Specialty Group, Economic Geography Specialty Group)

Room: 205 - Washington State Convention Center, Level 2
(Paper Session)
ORGANIZER(S): Reuben S. Rose-Redwood, University of Victoria; Jani Vuolteenaho, University of Helsinki
CHAIR(S): Reuben S. Rose-Redwood, University of Victoria
Introducer: Reuben S. Rose-Redwood
10:05 Lachlan Barber*, University of British Columbia, *Breathing Space: Un/Branding Hong Kong's Central Market Oasis*.
10:24 Andrew Harris*, University College London, *Art without art: brandscapes of neoliberal Buenos Aires*.
10:43 Sami Matti Kolamo*, university of Tampere, *Place branding through the FIFA World Cup tournaments*.
11:02 Andrew Fordham*, The Open University, *Food, Art, Books: The Cultural Politics of Rural Place Branding in Scotland*.
11:21 Jani Vuolteenaho*, University of Helsinki, *Place branding through the urban built form: analyzing neoliberal brandscapes in Finnish cities*.

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- 5241. Globalization and Variations in Regional Economic Performance II - The Evolutionary Knowledge Economy - Diverging Trajectories (Sponsored by Regional Development and Planning Specialty Group, Economic Geography Specialty Group)**
Room: 206 - Washington State Convention Center, Level 2
(Paper Session)
ORGANIZER(S): Dieter Franz Kogler, University College Dublin; Elizabeth Mack, Arizona State University
CHAIR(S): Elizabeth Mack, Arizona State University
10:00 Kristian Hegner Reinau*, Aalborg University, *A Foucauldian approach to Clusters: How self-understanding can be constructed in clusters and its impact upon identity and behavior.*
10:20 Louis Yi Liu, PhD*, NUS, *Balancing asymmetrical power relations in Global Production Networks: the trade-off upgrading of automobile industry in Guangzhou, China.*
10:40 Bjorn T. Asheim*, Lund University, Sweden, *Knowledge bases, regional innovation systems, and globalization.*
11:00 Dieter Franz Kogler, PhD*, University College Dublin, *Evolutionary Paths of Knowledge Creation and Spillover Activities: A Spatio-Sectoral Analysis of Technological Change.*
Discussant(s): David L. Rigby, UCLA
- 5242. Exploring Household Water Access in Low-income Nations: A Geographic Perspective (Sponsored by Population Specialty Group)**
Room: 211 - Washington State Convention Center, Level 2
(Paper Session)
ORGANIZER(S): Caetlin Ofiesh, George Washington University; Justin Stoler, San Diego State University
CHAIR(S): Caetlin Ofiesh, George Washington University
10:00 Justin Stoler, MS MPH*, San Diego State University; Gunther Fink, PhD, Harvard School of Public Health; John R. Weeks, PhD, San Diego State University; Allan G. Hill, PhD, Harvard School of Public Health, *Spatial Patterns of Water Insecurity: Highlights from Accra, Ghana.*
10:20 Caetie Ofiesh*, George Washington University, *Rethinking Access to Water in Malawi: A Spatially-Based Investigation of Urban and Peri-Urban Water Access.*
10:40 Tanushree Chowdhury*; Margaret Bryant, SUNY,ESF, *Domestic water use in rural villages in West Bengal, India, with emphasis on spatial patterns and factors in water use..*
11:00 Jim A Wright, PhD*, University of Southampton; Aidan Cronin; Joseph Okotto, Victoria Institute for Research on Environment and Development International; Hong Yang, University of Southampton; Steve Pedley, University of Surrey, *Understanding the Inter-relationship Between Millennium Development Goal Targets: a Spatial Analysis of Pit Latrine Density and Groundwater Source Contamination.*
- 5243. Indigeneity and Ontology 2 : Representation and Recognition (Sponsored by Indigenous Peoples Specialty Group)**
Room: 212 - Washington State Convention Center, Level 2
(Paper Session)
ORGANIZER(S): Caroline Desbiens, Universite Laval; Sarah De Leeuw, University of Northern British Columbia
CHAIR(S): Sarah De Leeuw, University of Northern British Columbia
10:00 Jean-Sébastien Boutet*, Memorial University of Newfoundland, *The Contribution of Innu and Naskapi Life Projects to a Historical Interpretation of Industrial Mining on Indigenous Homelands in Northern Québec.*
- 10:20** Richard Milligan*, University of Georgia; Tyler McCreary, York University, *Law, Environment, and Being: The Performance and Politics of Ontology in Environmental Impact Assessment.*
10:40 Jen E. McCormack*, University of Arizona, *Game Change: Indigenous Responses to Space/Law.*
11:00 Peter L Pulsifer, PhD*, University of Colorado, *Encoding Inuit Knowledge: Rearticulating the Formal Ontology Narrative.*
Discussant(s): Nadine Schuurman, Simon Fraser University
- 5244. Mixed-methods and Urban Study**
Room: 213 - Washington State Convention Center, Level 2
(Paper Session)
ORGANIZER(S): Program Committee
CHAIR(S): Jin-Kyu Jung, University of Washington Bothell
10:00 James Cocks*, Lord Cultural Resources; Orit Sarfaty, Lord Cultural Resources, *Using GIS to Evaluate Programs: Don't Let a Good Cultural Plan Go to Waste.*
10:20 Sarah Williams*, Columbia University; Laura Kurgan, Columbia University, *Spatial Data Visualization or Data Visualization? : Re-Framming Geographic Analysis in the Age of Data.*
10:40 Yan Lin*, Texas Center for Geographic Information Science, Department of Geography, Texas State University-San Marcos; Tzee Kiu Edwin Chow, Texas Center for Geographic Information Science, Department of Geography, Texas State University-San Marcos; F. Benjamin Zhan, Texas Center for Geographic Information Science, Department of Geography, Texas State University-San Marcos, *An Exploratory study of Vietnamese Americans in Texas using web demographic data.*
11:00 Daqian Liu*, Northeast Normal University, China; Wei Song, University of Louisville; Chunliang Xiu, Northeast Normal University, China, *Spatial Analysis of Criminal Activities in Changchun, China.*
11:20 Jin-Kyu Jung*, University of Washington Bothell, *The Role of Qualitative Approaches to GIS in Community Planning process: Masten District Neighborhood Plan in Buffalo, NY.*
- 5245. Political Subjectivities in South Asia (Sponsored by Political Geography Specialty Group)**
Room: 214 - Washington State Convention Center, Level 2
(Paper Session)
ORGANIZER(S): Fiona McConnell, Newcastle University; Nina Laurie, Newcastle University UK
CHAIR(S): Diane Richardson, Newcastle University, UK
10:00 Andrea Nightingale, University of Edinburgh; Katharine Rankin*, University of Toronto, *Himalayan Citizenship(s): insurgent politics, political subjectivity and local self-management in Nepal.*
10:20 Sara H Smith*, University of North Carolina, *The geopolitics of intimacy: Marriage, babies, and territory in Ladakh.*
10:40 Nina Laurie, Professor*, Newcastle University UK; Meena Poudel, Dr, Newcastle University/IOM; Diane Richardson, Professor, Newcastle University, UK; Janet Townsend, Dr, Newcastle University, UK, *Geographies of passing: post sexual trafficking citizenships in Nepal.*
11:00 Fiona McConnell*, Newcastle University, *Governance in exile: the construction of Tibetan citizenship and 'population'.*
Discussant(s): Mabel Gergan, UNC-Chapel Hill

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- 5246. Taking matters into third hands: intermediaries and the organization of the creative economy. 6. Inside/outside the creative economy II (Sponsored by Urban Geography Specialty Group, Cultural Geography Specialty Group, Economic Geography Specialty Group)**
Room: 2A - Washington State Convention Center, Level 2 (Paper Session)
 ORGANIZER(S): Doreen Jakob, UNC Chapel Hill / Center for Metropolitan Studies Berlin; Bas Van Heur, Maastricht University
 CHAIR(S): Karenjit Clare, University of Oxford
10:00 Doreen Jakob*, UNC Chapel Hill / Center for Metropolitan Studies Berlin, *Arts practices in Flux: new artist collectives for a creative economy.*
10:20 Catherine Morel, Dr*, Kingston University, *The role of art fairs in the contemporary art galleries' acquisition and management of legitimacy.*
10:40 Harvey Molotch, PhD*, NYU, *Public Restrooms as Taboo Scenarios.*
- 5248. Social Activism and Political Representation in North America**
Room: Cirrus Ballroom - Sheraton Hotel, Pike Tower, Thirty Fifth Floor (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Alex Colucci
10:00 Nathan A Prier*, York University, *The Cynical Citizen.*
10:20 Maria Hynes*, Australian National University; Scott Sharpe, PhD, University of New South Wales at The Australian Defence Force Academy, *Seattle as Event: anti-globalisation protest and the politics of the sensible.*
10:40 Matthew G. Smith*, University of Toronto, *Visible Minority Electability Under Vancouver's At-Large Electoral System.*
11:00 Iris Hui*, UCLA, *Geographic Polarization of Partisan Preferences in the U.S., 1964-2008.*
11:20 Alex R. Colucci, Graduate Student*, Kent State University, *The Increasing Homogeneity of American Communities: An Electoral Look at Ohio.*
- 5251. Internal Migration: Domestic and International Perspectives (Sponsored by Population Specialty Group)**
Room: Columbia - Sheraton Hotel, Union Tower, Fourth Floor (Paper Session)
 ORGANIZER(S): Rachel S. Franklin, Brown University
 CHAIR(S): Thomas J. Cooke, University of Connecticut
10:00 Waldo R. Tobler*, University Of California, Santa Barbara, *A Ravensteinesque "Currents of Migration" Map of California.*
10:20 Carlo Brusa, Università del Piemonte orientale "Amedeo Avogadro" - Italy; Davide Papotti*, Università Di Parma - Italy, *Migration and the economic crisis in 2010 Italy.*
10:40 Jean-Marc Zaninetti*, CEDETE Institute, University of Orleans, France, *When jobs follow people: recent trends in migration patterns in France.*
11:00 Tamara Wall*, University of Montana; Christiane Von Reichert, University of Montana, *The Role of Divorce and Loss in Return Migration to Nonmetropolitan Counties.*
11:20 Thomas J. Cooke*, University of Connecticut, *Marriage Markets and the Inter-Metropolitan Distribution of Skilled Couples.*
- 5252. Remote Sensing, Vegetation Indices, and Agriculture 2**
Room: Jefferson - Sheraton Hotel, Union Tower, Fourth Floor (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Andrea Gaughan
10:00 Kin M. Ma, Ph.D. *, Grand Valley State University, *Comparison of advanced techniques for identifying disease in apple orchards.*
10:20 Junmei Tang*, University of Maryland, Baltimore County, *Characterizing the spatial pattern of crop and agriculture practice in Choptank River basin using Landsat TM and MODIS.*
10:40 Rhett Mohler*, Kansas State University, *Temporal analysis of burn scar recovery in tallgrass prairie using field spectrometry.*
11:00 Andrea Gaughan*, University of Florida; Michael W. Binford, PhD, University of Florida, *Detecting long-term vegetation trends by adjusting for seasonality in a savanna landscape.*
11:20 Md Shahriar Pervez*, SGT Inc contractor to USGS EROS; Jesslyn F Brown, USGS, *Monitoring the spatio-temporal change in irrigated areas between 2002 and 2007 in the conterminous U.S..*
- 5254. Managing roadways and road safety (Sponsored by Transportation Geography Specialty Group)**
Room: Pike - Sheraton Hotel, Union Tower, Fourth Floor (Paper Session)
 ORGANIZER(S): Julie Cidell, University of Illinois
 CHAIR(S): Miles Hunsinger, Grand Valley State University
10:00 Miles Hunsinger*, Grand Valley State University, *Effect of Centerline Rumble Strips on Head on and Sideswipe Automobile Collisions in Michigan 2004 to 2009.*
10:20 Zun Wang*, University of Maryland - College Park, *A Geographic Information System Based Highway Alignment Evaluation Model.*
10:40 Julieanne L Fogde, GISP*, Washington State Department of Transportation, *A time aware GIS system for managing winter transportation operations.*
11:00 Yun Zhao*, Oklahoma State University; Hongbo Yu, Oklahoma State University, *Assessing Road Link Importance: A Case Study of Potential Bridge Collapse in Oklahoma.*
11:20 Ziliang Zhao*, The University of Tennessee, Knoxville; Shih-Lung Shaw, The University of Tennessee, Knoxville; Jerry Everett, The University of Tennessee, Knoxville, *Highway network data integration.*
- 5258. Weather, Geographical Contexts and Spatial Behaviour II (Sponsored by Human Dimensions of Global Change Specialty Group, Energy and Environment Specialty Group, Transportation Geography Specialty Group)**
Room: University - Sheraton Hotel, Union Tower, Fourth Floor (Paper Session)
 ORGANIZER(S): Martin Dijst, Utrecht University; Lars Bocker
 CHAIR(S): Mei-Po Kwan, Ohio State University
10:00 Mario Cools*, Transportation Research Institute, Hasselt University; Lieve Creemers, Transportation Research Institute, Hasselt University; Davy Janssens, Transportation Research Institute, Hasselt University; Geert Wets, Transportation Research Institute, Hasselt University, *The dual role of weather forecasts on changes in activity-travel behavior.*
10:20 Ioannis Tsapakis*, University College London; Tao Cheng, University College London; Adel Bolbol, University College London, *Effect of Adverse Weather Conditions on Urban Speeds and Travel Time Reliability of Bus Lane and Non-Bus Lane Users.*

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- 10:40** Tzu-Ping Lin*, National Formosa University; Andreas Matzarakis, Meteorological Institute, Albert-Ludwigs University of Freiburg, Germany, *The correlation between people attendances and weather condition in parks in hot and humid regions.*
- 11:00** David Perkins*, UNC-Chapel Hill, *Weather Effects on Zoos in the Southeastern United States Using a Tourism Climatology Framework.*
- 5259. China Reloaded: Urban Governance in Times of Economic Restructuring and Rapid Urbanization (Sponsored by China Specialty Group)**
Room: Virginia - Sheraton Hotel, Union Tower, Fourth Floor (Paper Session)
 ORGANIZER(S): Michael Waibel, University of Hamburg; Bo-Sin Tang, The Hong Kong Polytechnic University
 CHAIR(S): Michael Waibel, University of Hamburg
10:00 Michael Waibel*, University of Hamburg, *The Governance of Urban Development towards Economic Restructuring: China and Vietnam Compared.*
10:20 LIU Zhuojun*, The Hong Kong Polytechnic University, *Governance and Legislation: A Comparative Study of Laws on Urban and Rural Planning in China.*
10:40 Friederike Schroeder*, University of Hamburg, Germany, *Urban Governance and Economic Restructuring in China: Comparing Greenfield- and Brownfield Development in Guangzhou.*
11:00 Siu Wai Wong*, School of Community and Regional Development, The University of British Columbia, *Governing Rural-urban Transformation: A Case from the Guangzhou Luogang District, China.*
- 5261. Race and Space 5: Redefinitions/producing race**
Room: Ballard - Sheraton Hotel, Pike Tower, Third Floor (Paper Session)
 ORGANIZER(S): Kate Derickson, University of Glasgow; Rachel Brahinsky, University of California - Berkeley
 CHAIR(S): Rachel Brahinsky, University of California - Berkeley
10:00 Melissa Fernandez*, London School of Economics, *Race, class and gender in a recurring tale of 'failure and success': The case of Puerto Rican urban public housing.*
10:20 Juan Herrera*, UC Berkeley, *Unsettling the Geography of Oakland's War on Poverty: Latinidad and the Decoupling of Poverty and Blackness.*
10:40 Patricia L. Price*, Florida International Univ., *Pan-Latino in Concept and in Practice: Lessons from Little Havana.*
11:00 Erin N. Winkler, Ph.D.*, University of Wisconsin-Milwaukee, *Learning Race, Learning Place: Developing Identities and Ideas in Detroit.*
 Discussant(s): Carolyn Finney, University of California Berkeley
- 5264. Creative Cities: Richard Florida's Creative Class Theory 10 years on!**
Room: Fremont - Sheraton Hotel, Union Tower, Third Floor (Paper Session)
 ORGANIZER(S): Rachel Granger
 CHAIR(S): Rachel Granger
10:00 Max Nathan*, London School of Economics, *Right In The Wrong Way? The Creative Class And The Economics Of Diversity In UK Cities.*
10:20 Graeme L Evans, Professor*, London Met University, *Creative Class - back to the future or back to school?.*
10:40 Rachel C Granger*, Coventry University, *Place Appeal and Place Retention in Creative Cities.*
11:00 Timothy Ahrensbach*, Research 00/!, *Creativity-led urban change in the Global South: The case of the Cubao Expo, Metro Manila.*
- 5265. Contemporary Issues in Rural China II (Sponsored by China Specialty Group)**
Room: Greenwood - Sheraton Hotel, Union Tower, Third Floor (Paper Session)
 ORGANIZER(S): Piper Gaubatz, University Of Massachusetts; Gregory Veeck, Western Michigan University
 CHAIR(S): Gregory Veeck, Western Michigan University
10:00 Xiaoyun Huang, School of Geography, Beijing Normal University, Beijing 100875, China; Economics college of Guizhou University, Guiyang 550004, China.; Jing'ai Wang*, School of Geography, Beijing Normal University, Beijing 100875, China; Key Laboratory of Regional Geography, Beijing Normal University, Beijing 100875, China., *Study on Land-use Structure Optimization of Karst Desertification Areas in Guizhou Province: Take the Case of Majiang County.*
10:20 Yao-jie Yue*, School of Geography, Beijing Normal University, Beijing 100875, China; Key Laboratory of Regional Geography, Beijing Normal University, Beijing 100875, China.; Jing-ai Wang, School of Geography, Beijing Normal University, Beijing 100875, China; Key Laboratory of Regional Geography, Beijing Normal University, Beijing 100875, China.; Yong-deng Lei, School of Geography, Beijing Normal University, Beijing 100875, China; Key Laboratory of Regional Geography, Beijing Normal University, Beijing 100875, China.; Xiao-yun Huang, School of Geography, Beijing Normal University, Beijing 100875, China; Economics college of Guizhou University, Guiyang 550004, China., *Quantitative Inversion of Soil Wind Erosion Based on Field Survey and RS, GIS, GPS techniques in Yuyang county of Mu Us Sandy Land.*
10:40 Yun Su*, School of Geography, Beijing Normal University, Beijing 100875, China; Key Laboratory of Regional Geography, Beijing Normal University, Beijing 100875, China.; Jun Yin, School of Geography, Beijing Normal University, Beijing 100875, China; Key Laboratory of Regional Geography, Beijing Normal University, Beijing 100875, China.; Xue-ping Sun, School of Geography, Beijing Normal University, Beijing 100875, China; Key Laboratory of Regional Geography, Beijing Normal University, Beijing 100875, China., *Application of Farming Proverbs in the Planting and Drought Adaptation of Winter Wheat: Taking Henan Province as a Case.*
11:00 Peijun Shi*, Beijing Normal University, *temp.*
- 5266. Critical Approaches to Nature and the City (Sponsored by Urban Geography Specialty Group)**
Room: Issaquah A - Sheraton Hotel, Union Tower, Third Floor (Paper Session)
 ORGANIZER(S): Julie Cidell, University of Illinois
 CHAIR(S): Chris Hagerman, Clark College
10:00 Lorne Platt*, Loyola Marymount University, *Nature, Recreation, and Public Space along the Arroyo Seco: Perceptions and use of land in Southern California's urban wilderness.*
10:20 Bo-Sin Tang*, The Hong Kong Polytechnic University, *Open space and urban development.*
10:40 Chris Hagerman, PhD*, Clark College, *The blurry edges of green infrastructure - construction and management of urban natures.*
11:00 James Connolly, Ph.D. Candidate, Urban Planning*, Columbia University, *Resolving Institutional Conflicts in Environmental Land Use Law: The Case of California's Sustainable Communities and Climate Protection Act.*

SATURDAY, APRIL 16 • 10:00 AM - 11:40 AM • 5200

- 5267. Critical Geographies of Environmental Impact Assessment**
Room: *Issaquah B - Sheraton Hotel, Union Tower, Third Floor*
(Paper Session)
ORGANIZER(S): Nicole Becker, Concordia University; Kevin Gould, Concordia University
CHAIR(S): Kevin Gould, Concordia University
10:00 Nicole Becker, MEnv*, Concordia University, *The Making of Toxicity: The Case of the Canadian National Management of Textile Mill Effluents.*
10:20 Fabiana Li*, University of Manitoba, *Environmental Impact Assessment in Corporate Mining: Delineating Nature, Knowledge, and Public Participation.*
10:40 Sarah Panofsky*, University of British Columbia, *Diplomatic Warriors: Northern Gateway, Sovereign Lands and the Contested Landscape of Environmental Assessment.*
11:00 Tyler McCreary*, York University; Richard Milligan, University of Georgia, *Aboriginal Knowledge and the Boundaries of the Map.*
11:20 Cameron Owens*, Simon Fraser University, *Governmentality and The Art of Environmental Assessment in British Columbia.*

- 5268. Desert environments: politics, ecology and nature**
Room: *Kirkland - Sheraton Hotel, Union Tower, Third Floor*
(Paper Session)
ORGANIZER(S): Troy Sternberg, Oxford University; Daanish Mustafa, King's College, London
CHAIR(S): Troy Sternberg, Oxford University
10:00 Troy Sternberg, D Phil*, Oxford University, *Unravelling complexities of human-hazard interaction in the Gobi Desert, Asia.*
10:15 Lisa Mol*, Oxford University, *Sandstone weathering and heritage deterioration in arid environments: a geomorphological approach.*
10:35 Daanish Mustafa*, King's College, London, *Water, Stability and Climate Resilience in Balochistan and Nakhchivan, Azerbaijan.*
10:55 Thomas Smucker*, Ohio University, *Institutional Dimensions of Adaptive Capacity: Mediating Individual and Collective Responses to Greater Climatic Uncertainty in Dryland Mwangi District, Tanzania.*
11:15 Jeffrey A. Lee*, Texas Tech University; Matthew C Baddock, University of Virginia; Mbuh J Mbongowo, Missouri State University; Thomas E Gill, University of Texas, El Paso; Samuel C Whitehead, Texas Tech University; Catherine E Lee, Texas Tech University, *Land Surface Characteristics of Aeolian Dust Sources in West Texas and Eastern New Mexico.*
Discussant(s): Trevor Birkenholtz, Rutgers University

- 5269. Vegetation and Restoration Studies**
Room: *Leschi - Sheraton Hotel, Union Tower, Third Floor*
(Paper Session)
ORGANIZER(S): Program Committee
CHAIR(S): Meredith Dorneker
10:00 William Sharkey, M.S.*, UW Milwaukee; William L Sharkey, M.S., UW-Milwaukee, *Woody Vegetation and the Menomonee River Valley Industrial Corridor.*
10:20 Juying Jiao*, Institute of soil and water conservation, CAS; Luyan Han, Institute of Soil and Water Conservation, Chinese Academy of Sciences and Ministry of Water Resources; Yanfeng Jia, Institute of Soil and Water Conservation, Chinese Academy of Sciences and Ministry of Water Resources; Ning Wang, Institute of Soil and Water Conservation, Chinese Academy of Sciences and Ministry of Water Resources; Dong Lei, Institute of Soil and Water Conservation, Northwest A&F University; Linyu, Li, Institute of Soil and Water Conservation, Chinese Academy of Sciences and Ministry of Water Resources, *Can seed removal through soil erosion explain the scarcity of vegetation in the Chinese Loess Plateau?.*
10:40 Dean Monette*, Scott Markwith, Ph D, Florida Atlantic University, *Hydrochory Analysis in the Greater Everglades Ridge and Slough Ecosystem.*
11:00 Meredith Duff Dorneker*, University of Missouri-Columbia, *REDD intervention in the Peruvian dry forest.*

- 5270. Historical Land Use Change**
Room: *Medina - Sheraton Hotel, Union Tower, Third Floor*
(Paper Session)
ORGANIZER(S): Program Committee
CHAIR(S): Patricia Houser, Columbia University
10:00 Stephen M. O'Connell, Ph.D.*, University of Mary Washington, *Assessing Historical Landscape Change Through Local Discourse.*
10:20 David Robertson*, State University Of New York, Geneseo, *The Palimpsest Nature of Landscape Change.*
10:40 Annika Björklund*, Department of Human Geography, Stockholm University, *Urban Landscapes of Agriculture: Past Urban Land Use Reflected in the Morphology of Present-Day Towns.*
11:00 Richard Crepeau*, Appalachian State University, *Land Administration in Colonial North Carolina: A Cause of and Reaction to the Sorry State of "Poor Carolina."*
11:20 Patricia McMahon Houser, Adjunct Professor*, Central Connecticut State University, *The Countryside that Watered a City: A Case Study in Reconstructing 19TH Century Landscapes.*

- 5271. Privilege and Space II**
Room: *Metropolitan Ballroom A - Sheraton Hotel, Third Floor*
(Paper Session)
ORGANIZER(S): Bradley Gardener, CUNY Graduate Center
CHAIR(S): Bradley Gardener, CUNY Graduate Center
10:00 Bradley Gardener*, CUNY Graduate Center, *Jews, Whiteness, Upward Mobility, and Suburbia: Metamorphosis Through Migration in the Bronx.*
10:20 Abby Hickcox*, University of Colorado, *Hidden Hispanics and Racialized Spaces of Privilege.*
10:40 Janet Gray*, The College of New Jersey, *Privilege, World-Travelling, and Anti-Conquest: Feminist Researcher Meets Lady Pioneer.*
11:00 Mathias Detamore, PhD*, University of Kentucky, *Privilege and the City: metronormativity, queer regionalism and rural abjection.*

SATURDAY, APRIL 16 • 10:00 AM - 11:40 AM • 5200**5273. Placing Community I (Sponsored by Cultural Geography Specialty Group)**

Room: *Queen Anne - Sheraton Hotel, Union Tower, Third Floor*
(Paper Session)

ORGANIZER(S): Rebecca A. Sheehan, Oklahoma State University; Jacqueline Vadjunec, Oklahoma State University

CHAIR(S): Jacqueline Vadjunec, Oklahoma State University

10:00 Deanna H. Schmidt, PhD*, University of Houston-Clear Lake, *Creating Places of Resiliency: Community Building on the Gulf Coast*.

10:20 Jennifer Mapes*, State University of New York, Plattsburgh, *Re-defining 'community': Place and politics in the Yampa River Valley*.

10:40 Jacqueline M. Vadjunec, PhD*, Oklahoma State University; Rebecca Sheehan, PhD, Oklahoma State University, *Common misery and common success": Community as Common-Being in Oklahoma's "No Man's Land"*.

11:00 Rebecca A. Sheehan, PhD*, Oklahoma State University; Jacqueline Vadjunec, PhD, Oklahoma State University, *"The only policy necessary is the 'mind your own business policy'": Community as Being-in-Common in Oklahoma's "No Man's Land"*.

5274. GIS and Geographic Education

Room: *Ravenna - Sheraton Hotel, Union Tower, Third Floor*
(Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Revi Sterling, ATLAS Institute - University of Colorado

10:00 Thomas A. Tricot, Ph.D.*, University of North Carolina at Greensboro, *Instructional Geographic Information Science: Map Overlay and Spatial Abilities*.

10:20 Niem Tu Huynh*, Texas State University - San Marcos, *Problem-solving Strategies using GIS: A Sequence Analysis*.

10:40 Konstantinos Koutsopoulos*, NTUA; Konstantinos C. Koutsopoulos, Professor, National Technical University of Athens, *Application of a Conceptual Framework in Using Map-maquette to provide mans' position in geographic, social and cultural space..*

11:00 Shuang-Yann Wong*, National Institute of Education; Yan Liu; Geok Chin Ivy Tan, National Institute of Education, *Promoting Inquiry-Based Learning in geography with GIS. Experience of Junior Colleges of Singapore*.

11:20 Revi Sterling, Ph.D.*, ATLAS Institute - University of Colorado; John K Bennett, Ph.D., ATLAS Institute - University of Colorado, *ICTD - homeless discipline?*

5276. Placed-Based Undergraduate Research Experiences at Willamette University's Zena Forest and Farm

Room: *Aspen Room - Sheraton Hotel, Second Floor* (Panel Session)

ORGANIZER(S): Karen Arabas, Willamette University; Joe Bowersox, Willamette University

CHAIR(S): Karen Arabas, Willamette University

Introducer: Karen Arabas

Panelists: Joe Bowersox, Willamette University; Tyler J Hoecker, Willamette University; Katie Rigsby, Willamette University; Kelsey Copes-Gerbitz, Willamette University

5278. SAGE Reference Publishing in Geography: From Concept to Publication

Room: *Douglas Room - Sheraton Hotel, Second Floor* (Panel Session)

ORGANIZER(S): Joseph Stoltman, Western Michigan University; Barney Warf, University of Kansas

CHAIR(S): Joseph Stoltman, Western Michigan University

Panelists: Rachel S. Franklin, Brown University; Wen Lin, University of Wisconsin-La Crosse; Joseph Stoltman, Western Michigan University; Mark Welford, Georgia Southern University; Barney Warf, University of Kansas

5281. Women's Health HIV and Africa

Room: *Grand Ballroom C - Sheraton Hotel, Second Floor*
(Paper Session)

ORGANIZER(S): Chetan Tiwari, University of North Texas; Joseph R Oppong, University of North Texas

CHAIR(S): Joseph R Oppong, University of North Texas

10:00 Marta Jankowska*, San Diego State University; Caetie Ofiesh, George Washington University; David Rain, Dr., George Washington University, *Linking Neighborhoods to Health in Accra, Ghana: Comparing Perceptions of Health to Census and Women's Health Survey Data*.

10:20 Iddrisu Adam, PhD*, University of Wisconsin - Marshfield Campus, *The Impact of HIV on the Millennium Development Goals: Insights from Southern Africa and Lessons Learned*.

10:40 JANE EBENIRO*, University of North Texas At Denton, *The Geography of Maternal Mortality In Nigeria*.

11:00 Ellen Percy Kraly*, Colgate University; Lesley Parrish*, Colgate University; Alex Pons*, Colgate University, *The Color of a Jerry Can: Stigma and Treatment of HIV in Rural Uganda*.

5282. Session 1: Spatial Methods for Improving Public Health

Room: *Grand Ballroom D - Sheraton Hotel, Second Floor*
(Paper Session)

ORGANIZER(S): Bethany Deeds, National Institute on Drug Abuse; Regina Bures, NICHD

CHAIR(S): Bethany Deeds, National Institute on Drug Abuse

10:00 John R. Weeks, Ph.D.*, San Diego State University, *Connecting the Dots between Health, Poverty and Place in Accra, Ghana*.

10:20 Bill Luchansky, Ph.D.*, Looking Glass Analytics; Caleb Banta-Green, Ph.D., University of Washington, *The Alcohol and Drug Epidemiology and Treatment Geographic Information Service (ADEpT GIS)*.

10:40 Joe Kabel, Ph.D.*, Looking Glass Analytics; Curtis Mack, B.S., Looking Glass Analytics, *GEMS? - An Innovative, Map-based Web Application Supporting Liquor Law Enforcement*.

11:00 Stephen A. Matthews*, Pennsylvania State University, *Promoting geospatial data and spatial analysis in population and health research: personal observations from NIH-funded infrastructure, research and training grants and from scientific review meetings*.

Discussant(s): Regina Bures, NICHD

5283. Interrogating Humanitarian Practice

Room: *Juniper Room - Sheraton Hotel, Second Floor* (Panel Session)

ORGANIZER(S): Léonie Newhouse, University of Washington; Patricia Lopez, University of Washington

CHAIR(S): Léonie Newhouse, University of Washington

Discussant(s): Léonie Newhouse, University of Washington; Patricia Lopez, University of Washington

Panelists: Erin Collins, UC Berkeley Department of Geography; Lisa Bhungalia, Syracuse University; Jeremy Sorenson; Jennifer Greenburg, University of California Berkeley

SATURDAY, APRIL 16 • 10:00 AM - 11:40 AM • 5200**5284. Making "Place," Selling Place-ness**

Room: *Madrona Room - Sheraton Hotel, Second Floor* (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Robert Mugerauer, univ of washington

10:00 Pia Anderson, Ph.D.*, American University of Sharjah, *Antiquities as markers of Identity and Heritage.*

10:20 Kathryn A. Edwards, MA, CGeog*, Englobe Inc., *Crossing Virtual Boundaries and Managing Mobs: The Geopolitics of Digital Content.*

10:40 Sarah Meys*, *Young Fleming's geographies of the Other.*

11:00 Robert Mugerauer, Dr./ Prof.*, univ of washington, *The Resilient Dynamic of Freiburg im Breisgau: Tradition-Tourism-Technology.*

5285. Issues of of Communication, Uncertainty, Representation, and Access to Maps and Mapping Devices

Room: *Spruce Room - Sheraton Hotel, Second Floor* (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Scott B Brown, Arizona State University

10:00 G. Brent Hall, PhD*, University of Otago, *Collaborative Dialog using Open Source Geospatial Software and the Web.*

10:20 Cameran Ashraf*, University of California, Los Angeles, *World Wide Web? Visualizing Spaces of Internet Censorship.*

10:40 Sami Eria*, University of Minnesota, Department of Geography, *The State of GIS in Developing Countries: A GIS and Society Analysis of Uganda and the Potential for Mobile Location-Based Services.*

11:00 Stephanie Ann Deitrick*, Arizona State University, *An Investigation of Implicit Uncertainty Representations.*

11:20 Scott B Brown*, Idaho National Laboratory, *A Comparison of Fuzzy Models in Similarity Assessment of Misregistered Area Class Maps.*

5286. Nazi-geographies: continuities and ruptures in geographical thought and practice

Room: *Willow A - Sheraton Hotel, Second Floor* (Panel Session)

ORGANIZER(S): Christian Abrahamsson, Wageningen University; Claudio Minca, Wageningen University

CHAIR(S): Christian Abrahamsson, Wageningen University

Panelists: Claudio Minca, Wageningen University; Michael Heffernan, University of Nottingham; Trevor J. Barnes, University Of British Columbia; Sarah Danielsson, City University of New York

5287. Interactions with the Environment

Room: *Willow B - Sheraton Hotel, Second Floor* (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Andrew Oliphant, San Francisco State University

10:00 Matthias Garschagen*, United Nations University, Institute for Environment and Human Security; Maximilian Mayer, Bonn University, Center for Global Studies, *Merging the International Climate Agenda with National Interests: The Cases of China and Vietnam.*

10:20 Abhineety Goel*, Texas A&M, *Indigenous Communities, Forest Use and Tendupatta filière in proposed Omkareshwar National Park Complex, India.*

10:40 James G Baldwin, Visiting Assistant Professor*, Boston University; Ian Sue Wing, Associate Professor, Boston University, *Forecasting Energy Related CO2 Emissions at Multiple Spatial Scales by Way of an Index Number Decomposition.*

11:00 Andrew J Oliphant, Associate Professor*, San Francisco State University, *Impact of Changing Sky Conditions on Light Regimes and Photosynthesis by Terrestrial Ecosystems.*

SATURDAY, APRIL 16 • 12:00 PM - 1:40 PM • 5300**5306. Beyond Yellowstone: The future of conservation III (Sponsored by Cultural and Political Ecology Specialty Group, Human Dimensions of Global Change Specialty Group)**

Room: *606 - Washington State Convention Center, Level 6* (Panel Session)

ORGANIZER(S): Ashwini Chhatre, University of Illinois at Urbana-Champaign; Rinku Roy Chowdhury, Indiana University

CHAIR(S): Paul Robbins, University of Arizona

Discussant(s): Paul Robbins, University of Arizona

Panelists: Terry Chapin, University of Alaska Fairbanks; Michael Mascia, World Wildlife Fund; Peter Wilshusen, Bucknell University; Brian Child, University of Florida; Ashwini Chhatre, University of Illinois at Urbana-Champaign

5308. It Was a Good Rain: Talking About Weather and Climate

Room: *608 - Washington State Convention Center, Level 6* (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Melissa Phillips, Kent State University

12:00 Wanyun Shao*, Louisiana State University; James C. Garand, Louisiana State University; Barry Keim, Louisiana State University, *How Weather Affects Public Opinion of Global Warming.*

12:20 Gigi Owen*, University of Arizona; Michael Crimmins, University of Arizona, *Climate and Weather Stories from Rural Arizona.*

12:40 Phillip Vannini*, Royal Roads University, *Making Sense of the Weather: Dwelling and Weathering on the Rain Coast.*

1:00 Iris Wilson*, Kansas State University; Lisa Tabor, Kansas State University, *Local Ecological Knowledge: Stakeholder Interviews in Kansas.*

1:20 Melissa C K Phillips*, Kent State University, *The Current Status of Lightning Safety Knowledge and the Effects of Lightning Education Modes in Florida, Ohio, and Colorado.*

5309. Powers of Habit III: Reading and Reflecting upon Ravaisson's 'Of Habit'

Room: *609 - Washington State Convention Center, Level 6* (Panel Session)

ORGANIZER(S): John-David C. Dewsbury, University Of Bristol; David Bissell, The Australian National University

CHAIR(S): David Bissell, The Australian National University

Introducer: David Bissell

Panelists: Maria Hynes, Australian National University; Maria Fannin, University of Bristol; Mark Jackson, University of Bristol; Alan Latham, University College London; Jamie Lorimer, Kings College London; Scott Sharpe, University of New South Wales at the Australian Defence Force Academy

SATURDAY, APRIL 16 • 12:00 PM - 1:40 PM • 5300

- 5311. Resilience and Beyond: Geographies of Response to Systemic Social, Economic, Political and/or Environmental Shock**
Room: 611 - Washington State Convention Center, Level 6
(Paper Session)
ORGANIZER(S): John Bryson, University of Birmingham; Jon Coaffee, University of Birmingham, UK
CHAIR(S): Jon Coaffee, University of Birmingham, UK
12:00 Jon Coaffee*, University of Birmingham, UK, *From Securitisation to Integrated Place Making: Towards Fourth Generation Urban Resilience.*
12:20 Lauren Andres*, Centre for Urban And Regional Studies, University of Birmingham; John Round, School of Geography, Earth & Environmental Sciences University of Birmingham, *The role of 'persistent resilience' within everyday life: communities coping with marginality.*
12:40 Petra Tschakert, PhD*, Penn State University, *Remember, Observe, Learn, Dream, and Act: Ingredients for Social-Ecological Resilience.*
1:00 Francesca Fois*, MEMOTEF, Sapienza Università di Roma - Italy; Giuseppe Forino*, MEMOTEF, Sapienza Università di Roma - Italy, *Self-built ecovillages in L'Aquila (Italy): a grassroots response to an environmental shock.*
- 5313. World-Ecological Modernities III (Sponsored by Cultural and Political Ecology Specialty Group, Socialist and Critical Geography Specialty Group, Economic Geography Specialty Group)**
Room: 613 - Washington State Convention Center, Level 6
(Paper Session)
ORGANIZER(S): Diana Gildea; Jason W. Moore
CHAIR(S): Jason W. Moore
Panelists: Rebecca Lave, Indiana University Dept of Geography; Erik Jönsson, Lund University; Jennifer Casolo; Bram Büscher, Institute of Social Studies; Madeleine Eriksson, Umeå University, Department of Social and Economic Geography
- 5314. Interrogating the Politics of Expertise in Urban and Regional Development III (Sponsored by Political Geography Specialty Group, Cultural and Political Ecology Specialty Group, Development Geographies Specialty Group)**
Room: 614 - Washington State Convention Center, Level 6
(Paper Session)
ORGANIZER(S): Malini Ranganathan, University of California at Berkeley; Erica Kohl-Arenas, The New School
CHAIR(S): Malini Ranganathan, University of California at Berkeley
12:00 Erica Kohl-Arenas*, The New School, *Crafting 'The Other California': The construction of regional change through philanthropic expertise.*
12:20 Amanda Kass*, University of Colorado at Boulder, *'Tent Cities' in Haiti: A Gendered Analysis.*
12:40 Kathryn Moeller, M.A.*, University of California, Berkeley, *An Analysis of Transnational Corporate Investment in Adolescent Girls.*
- 5315. Rethinking the Green City (Sponsored by Urban Geography Specialty Group, Ethics, Justice, and Human Rights Specialty Group)**
Room: 615 - Washington State Convention Center, Level 6
(Paper Session)
ORGANIZER(S): Trina Hamilton, SUNY - Buffalo; Winifred Curran, DePaul University
CHAIR(S): Winifred Curran, DePaul University
Panelists: Trina Hamilton, SUNY - Buffalo; Mark Pendas, University of Washington Tacoma; Noah Quastel, University of British Columbia; Markus Moos, University of Waterloo; David Prytherch, Miami University; Ivan Bialostosky, University of Minnesota
- 5316. A Tribute to Thomas Leinbach (Sponsored by Asian Geography Specialty Group, Transportation Geography Specialty Group)**
Room: 616 - Washington State Convention Center, Level 6
(Paper Session)
ORGANIZER(S): John Bowen, Central Washington University; Jessie P. Poon, University at Buffalo-SUNY
CHAIR(S): Jessie P. Poon, University at Buffalo-SUNY
Panelists: William R. Black, Indiana University; William B. Beyers, University Of Washington; Edward Malecki, Ohio State University; Matthew Zook, University of Kentucky; David W. Edgington, University Of British Columbia; Candice Wallace, University of Kentucky; John Bowen, Central Washington University
- 5317. The Geography of Terror and Conflict: Theory & Geo-Technology (Sponsored by Cartography Specialty Group)**
Room: 617 - Washington State Convention Center, Level 6
(Paper Session)
ORGANIZER(S): Jason E. VanHorn, Calvin College
CHAIR(S): Jason E. VanHorn, Calvin College
12:00 Sterling Raetz*, MSU Department of Geography, *Viewsheds, Error, and IEDs: Assessing the Use of ASTER GDEM in Military Analysis.*
12:20 Peng Gao*, University of South Carolina; Diansheng Guo, University of South Carolina; Ke Liao, University of South Carolina, *Early Detection of Terrorism Clusters Using Space-Time Scan Statistics.*
12:40 Emma H DeVries*, Calvin College, *Geographic Dimensions of Spanish Terrorism: Context, Methods, and Analysis.*
1:00 Jason E. VanHorn, PhD*, Calvin College, *Reconstructing Kurdish Conflict: Geographic Visualization and Analysis.*
- 5318. Teaching and Learning Urban Geography (Sponsored by Graduate Student Affinity Group, Urban Geography Specialty Group, Geography Education Specialty Group)**
Room: 618 - Washington State Convention Center, Level 6
(Paper Session)
ORGANIZER(S): Kevin Keenan, College of Charleston
CHAIR(S): Kevin Keenan, College of Charleston
Introducer: Kevin Keenan
Discussant(s): Danielle Fontaine, Clark University
Panelists: Jennifer Spinelli, Penn State University; Leslie Kern, Mount Allison University; Brian Johnson, Boston Univ. and Salem State Univ.; Eric Boschmann, University of Denver; Thomas Sigler, Penn State University; Susan Hanson, Clark University

SATURDAY, APRIL 16 • 12:00 PM - 1:40 PM • 5300**5319. LiDAR Remote Sensing Applications (Sponsored by Remote Sensing Specialty Group)**

Room: 619 - Washington State Convention Center, Level 6
(Paper Session)

ORGANIZER(S): L. Monika Moskal, University of Washington
CHAIR(S): L. Monika Moskal, University of Washington

12:00 Stephanie Buechler, Ph.D., The University of Arizona; Christopher Scott, Ph.D., The; Stephen R. Yool, Ph.D.*, The University of Arizona; Morgan Apicella, The University of Arizona; Ashley Schmeltzer, The University of Arizona, *Remote Sensing, Urban Structure and Water Demand: Characterizing the Arid City.*

12:20 Ralph Dubayah*, University of Maryland - College Park; Anu Swatantran, University of Maryland, College Park, *Remote Sensing Fusion for Habitat Characterization and Biodiversity Analyses.*

12:40 April L Hiscox, PhD*, The University of South Carolina, Department of Geography; Harold Thistle, PhD, USDA Forest Service; Eden Furtak-Cole, University of Nevada, Reno, Department of Mathematics and Statistics, *Lidar Derived Mixing Heights for Dispersion Modeling.*

1:00 Chad B. Wilsey*, University of Washington; Joshua J. Lawler, University of Washington; David Cimprich, Fort Hood Military Reservation, *Contribution of LiDAR-derived Measures of Vegetation Structure to a Habitat Suitability Model for the Black-capped Vireo.*

1:20 Ryan M. Liddell*, Pennsylvania State University, Black & Veatch; Joseph A. Bishop, Ph.D., Pennsylvania State University, *Estimating Rooftop Solar Electricity Potential in Seattle with LiDAR Data.*

5320. Mobilities, Borders, and Imprisonment VII: ¡No Borders!

Room: 620 - Washington State Convention Center, Level 6
(Panel Session)

ORGANIZER(S): Jennifer Ridgley, Department of Geography, University of Toronto; Robert Hunter Jackson, CUNY Graduate Center

CHAIR(S): Jennifer Ridgley, Department of Geography, University of Toronto

Panelists: Joshua J. Kurz, Ohio State University; Sarah Launius, University of Arizona; Robert Hunter Jackson, CUNY Graduate Center; Jenna M. Loyd, Syracuse University; Andrew Burrige, University of Southern California

5324. Virtual Communities (Sponsored by Cyberinfrastructure Specialty Group, Communication Geography Specialty Group)

Room: 301 - Washington State Convention Center, Level 3
(Paper Session)

ORGANIZER(S): Robert Raskin, Jet Propulsion Lab
CHAIR(S): Robert Raskin, Jet Propulsion Lab

12:00 Jeffrey D. Hamerlinck*, University of Wyoming, *Socio-Technical Cyberinfrastructure Design for Collaborative Carbon Sequestration Research.*

12:20 Valentina Grasso*, IBIMET CNR Institute of Biometeorology, National Research Council; Valerio capecchi, LaMMA consortium - Laboratory for Meteorology and Environmental modelling - CNR Regione Toscana; Ramona Magno, LaMMA consortium - Laboratory for Meteorology and Environmental modelling - CNR Regione Toscana; Alfonso Crisci, IBIMET CNR, Institute of Biometeorology, National Research Council, *Climate Scope: a Google Earth® open platform to cross scientific and social network communicative efforts on climate change topics.*

12:40 Jeffrey M. Young*, LizardTech, *Regional and Local Public/Private Geocollaboration.*

1:00 Wei Chen*, Geography, Ohio State University; CURA; Ningchuan Xiao, The Ohio State University, *Location-based Sentiment Analysis on Social Web.*

1:20 Michael Stryker*, The Pennsylvania State University, *Assessing the role of annotations in map-mediated discussions.*

5325. Urban Sprawl

Room: 302 - Washington State Convention Center, Level 3
(Paper Session)

ORGANIZER(S): Daniel Trudeau, Macalester College
CHAIR(S): Henry Bulley, Clark University

12:00 Brandon Cramer, MA*, University of Connecticut; Curtis Denton, MA, University of Connecticut; Jeffrey Osleeb, PhD, University of Connecticut, *Impact of Urban Sprawl on Health Outcomes in Connecticut.*

12:20 Tracy Kugler*, Middlebury College; Forrest Briggs, Oregon State University; Xiaoli Fern, Oregon State University; Mary Santelmann, Oregon State University; Julia Jones, Oregon State University, *A Neighborhood-Scale Sprawl Metric Allowing for Consistent National Calculation.*

12:40 Claire Jantz*, Shippensburg University; Scott A Drzyzga, Shippensburg University; Claire Welty, University of Maryland Baltimore County; Michael Maret, Shippensburg University; Gus Frederick, Shippensburg University; Ben Ritter, Shippensburg University, *Complexity in urban systems: the Baltimore metropolitan region as a laboratory for understanding coupled human and natural systems.*

1:00 Henry Bulley, Dr.*, Central Connecticut State University, *Assessing the potential impacts of suburban growth on water resources in Northeastern USA.*

5326. PiPG Classics Revisited: Climate Change and Its Consequences (Sponsored by Climate Specialty Group, Biogeography Specialty Group, Geomorphology Specialty Group)

Room: 303 - Washington State Convention Center, Level 3
(Panel Session)

ORGANIZER(S): George P. Malanson, University of Iowa
CHAIR(S): David R. Butler, Texas State University - San Marcos
Introducer: David R. Butler

Discussant(s): George P. Malanson, University of Iowa
Panelists: Andrew C. Comrie, University of Arizona; Sally P. Horn, University Of Tennessee; Bryan G. Mark, The Ohio State University; Patricia McDowell, University of Oregon; Thomas Gillespie, UCLA; Lesley Rigg, Northern Illinois University; John Shroder, University of Nebraska; Linda O. Mearns, National Center for Atmos. Research

5327. Reconstructions of Paleoenvironments and Past Human-Environment Interactions III: Western North America (Sponsored by Paleoenvironmental Change Specialty Group, Biogeography Specialty Group, Geomorphology Specialty Group)

Room: 304 - Washington State Convention Center, Level 3
(Paper Session)

ORGANIZER(S): Michelle Goman, Cornell University; Catherine Helen Yansa, Michigan State University
CHAIR(S): David Wahl, United States Geological Survey

12:00 Jessica D. Spencer*, University of Utah; Andrea Brunelle, Ph.D., University of Utah, *An 8,000 Year Fire History of an Oak Savanna in East Central Minnesota.*

12:20 Carlos E. Cordova*, Oklahoma State University; Jess C. Porter, University of Arkansas at Little Rock, *Can the prehistoric bison ecosystem be reconstructed? Climate, grassland, fire, bison and humans in the post-glacial Great Plains.*

SATURDAY, APRIL 16 • 12:00 PM - 1:40 PM • 5300

- 12:40** Jeffrey Crawford*, University of Nevada, Reno; Scott Mensing, University of Nevada, Reno; Frank K. Lake, USFS-Pacific Southwest Research Station; Carl Skinner, USFS-Pacific Southwest Research Station; Susan Zimmerman, Center For Accelerator Mass Spectrometry, Lawrence Livermore National Lab, *The potential impacts of Native American land-use on fire regimes and forest structure in the Lower Klamath River Region, California.*
- 1:00** Kevin Gilmore*, ERO Resources Corp., *Middle to Late Holocene Paleoenvironments and Human Responses to Drought in the Rocky Mountain West.*
- 1:20** Alicia Cowart*, University of California, Berkeley; Roger Byrne, University of California, Berkeley; Kent Lightfoot, University of California, Berkeley, *Anthropogenic Influences on Fire Frequency and Vegetation Change during the Late Holocene in Central Coastal California.*
- 5328. Climate Change and Agriculture (Sponsored by Climate Specialty Group)**
Room: 305 - Washington State Convention Center, Level 3
(Paper Session)
ORGANIZER(S): Mark D. Schwartz, University Of Wisconsin - Milwaukee
CHAIR(S): Zhongwei Liu, University of Nevada, Las Vegas
12:00 Ratchanok Sangpenchan*, *Climate change impacts and vulnerabilities of rice production in Thailand.*
12:20 Kumari Gurusamy*, BITS-Pilani Goa Campus, Zuarinagar, Goa, India, *Predicting crop calendar and rainfall pattern variations from satellite images.*
12:40 . Perdinan*, Department of Geography, Michigan State University; Julie A. Winkler, Department of Geography, Michigan State University; Jeffrey A. Andresen, Department of Geography, Michigan State University, *Using Crop Simulation Models in Climate Impact and Adaptation Assessments: Sensitivity to Source of Daily Solar Radiation Input.*
1:00 Zhongwei Liu, Ph.D.*, University of Nevada, Las Vegas; William J. Smith Jr., Ph.D., School of Environmental and Public Affairs, University of Nevada, Las Vegas; Ahmad Safi, School of Environmental and Public Affairs, University of Nevada, Las Vegas, *Climate change risk perceptions of ranchers and farmers in Nevada.*
- 5329. Animated Representations: Animals, Media, and Place III (Sponsored by Cultural Geography Specialty Group, Animal Geography Specialty Group, Communication Geography Specialty Group)**
Room: 306 - Washington State Convention Center, Level 3
(Paper Session)
ORGANIZER(S): Sharon Wilcox Adams, University of Texas Austin
CHAIR(S): Sharon Wilcox Adams, University of Texas Austin
12:00 Jessica Antonio Lomanowska, Doctoral Candidate*, University of Waterloo, *'Death-Work' and Animal Sacrifice: The Denial of Creatureliness in Mary Shelley's Frankenstein, Battlestar Galactica, and the Laboratory Adventures of Oncomouse ?.*
12:20 C. Scott Taylor, PhD candidate*, University of the Sunshine Coast, *Dolphins as boundary objects: a discourse analysis of "The Cove".*
12:40 Heather Ward*, East Carolina University/Coastal Resources Mgmt, *Geographically Imagining the Papahānaumokuākea Marine National Monument.*
1:00 Dylan A. Cyr, Dr. *, History, Huron University College, *Animals and Arthropods in HBO's The Pacific.*
Discussant(s): Rhys Evans, Høgskulen for Landbruk og Bygdenæringar
- 5330. The Generation and Use of Climate Data Records (Sponsored by Climate Specialty Group)**
Room: 307 - Washington State Convention Center, Level 3
(Paper Session)
ORGANIZER(S): Drobot Sheldon, NCAR
CHAIR(S): Drobot Sheldon, NCAR
12:00 Drobot Sheldon*, NCAR, *Spatial and temporal trends in Arctic temperature climate data records.*
12:20 Heather Lazrus*, Social Science Woven into Meteorology University of Oklahoma, *Considerations for Deriving Climate Record Data from Traditional Knowledge: Connecting Local Insight to Regional and Global Environmental Issues.*
12:40 Walter Meier*, National Snow and Ice Data Center; Julienne Stroeve, National Snow and Ice Data Center; Charles Fowler, University of Colorado at Boulder; James Maslanik, University of Colorado at Boulder; Ruth Duerr, National Snow and Ice Data Center, *Sea Ice Climate Data Records.*
1:00 Kenneth E Kehoe, MS*, University of Oklahoma; Randy Peppler, University of Oklahoma, *The Atmospheric Radiation Measurement Program - Climate Research Facility: Building a Climate Data Record to Improve General Circulation Models for Climate Research and Prediction.*
1:20 Scotty Strachan*, University of Nevada, Reno; Brian Bird, University of Nevada, Las Vegas; Bradley Lyles, Desert Research Institute; Gregory McCurdy, Desert Research Institute; Michael McMahon, University of Nevada, Reno, *Building Climate Monitoring Infrastructure in Nevada: Integration of field science and cyberinfrastructure along high elevational transects.*
- 5333. Feminist Geography Re-Examined: Topical Considerations, Epistemological Frameworks, Methodological Approaches (Sponsored by Qualitative Research Specialty Group, Geographic Perspectives on Women Specialty Group)**
Room: 310 - Washington State Convention Center, Level 3
(Paper Session)
ORGANIZER(S): Jill Williams, Clark University; Kate Coddington Senner, Syracuse University
CHAIR(S): Lise Nelson, University of Oregon
Panelists: Geraldine J. Pratt, University Of British Columbia; Katharyne Mitchell, University of Washington; Sara Koopman, University of British Columbia; Natalie Oswin, McGill University
- 5335. 2011 Global Report on Human Settlements: Cities and Climate Change**
Room: 3B - Washington State Convention Center, Level 3
(Paper Session)
ORGANIZER(S): Pamela Robinson, School of Urban and Regional Planning
CHAIR(S): Pamela Robinson, School of Urban and Regional Planning

SATURDAY, APRIL 16 • 12:00 PM - 1:40 PM • 5300**5337. Spatial Analysis and Modeling for Epidemiology (Sponsored by Health and Medical Geography Specialty Group)**

Room: 202 - Washington State Convention Center, Level 2

(Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Nicholas Campiz, University of Florida Department of Geography

12:00 Petra Norlund*, CU at Boulder, *Multilevel modeling and multicausal enteric disease in Brazil: A hierarchical look at child mortality.***12:20** Qian Hao*, Department of Geogrpahy, The Ohio State University; Ningchuan Xiao, Department of Geography, The Ohio State University, *A Geospatial Web Approach to Exploring Epidemiological Information.***12:40** Indy Hurt*, University of California, Santa Barbara, *Behavioral Spatial Epidemiology: Opportunities in Agent-Based Modeling.***1:00** Tyler Bonnell, McGill University; Raja Sengupta, PhD*, McGill University; Colin Chapman, McGill University, *Spatial Epidemiology and GIS/ABM: a case study of disease transmission amongst Red Colobus monkeys.***1:20** Nicholas Campiz*, University of Florida; Andrew Tatem, University of Florida, *Utilizing Gridded Economic Data in the Study of Malaria and Poverty.***5338. Challenges of Environmental Change: climate, human security, population displacement and policy implications (Sponsored by Human Dimensions of Global Change Specialty Group)**

Room: 203 - Washington State Convention Center, Level 2

(Paper Session)

ORGANIZER(S): Poonam Jusrut, University of Illinois At Urbana

CHAIR(S): Amy E. Lesen, Dillard University

12:00 Jenniffer Santos-Hernandez*, Oak Ridge National Laboratory (ORNL); Budhendra L. Bhaduri, Oak Ridge National Laboratory; Richard Medina, Oak Ridge National Laboratory; Benjamin Preston, Oak Ridge National Laboratory; Jack Schryver, Oak Ridge National Laboratory; Xiaohui Cui, Oak Ridge National Laboratory; Anthony King, Oak Ridge National Laboratory; Christopher Lenhardt, Oak Ridge National Laboratory, *Managing the challenges of climate change: Social Vulnerability, Migration and Population Displacement.***12:20** Bimal Kanti Paul*, Kansas State University, *Impacts of Climate Change and Policy-Making in Bangladesh.***12:40** Jenkins Divo Macedo, Bsc/MA Candidate-Clark University*, Worcester State University; Stephen Healy, Sponsor/Professor, Worcester State College, *The Environmental Impacts of Warehousing Refugees: A Case Study of the Buduburam Refugee Camp in Ghana.***1:00** Nancy Davis Lewis, PhD*, East-West Center, *Climate Change, Health and Human Security: Small Island States and Asia's Coastal Megacities.***1:20** Amy E. Lesen, Ph.D.*, Dillard University, *The Environment, Culture, Risk, and the Future of Coastal Communities: The Louisiana Example.***5339. Law, State, Space 3: Spaces of Criminality and Justice**

Room: 204 - Washington State Convention Center, Level 2

(Paper Session)

ORGANIZER(S): John Carr, University of New Mexico; Melinda Harm Benson, University of New Mexico

CHAIR(S): John Carr, University of New Mexico

12:00 Bernd Belina*, Goethe University Frankfurt, *Governing through crime through space - on the relation between legal form, political form and the production of space under capitalism.***12:20** Elizabeth A. Brown*, *Mapping community: State power and the regulation of communities in the juvenile court.***12:40** Joshua F. Inwood*, University of Tennessee, *And the Walls (Just Might) Come Tumbling Down: Violence, Death, and Reconciliation in a Southern Mill Town..***1:00** Adam Moore*, University of Wisconsin, Madison, *International arbitration and contested political authority in post-war Bosnia.*

Discussant(s): Steve Herbert, University of Washington

5340. Mobilities, Population and Climate Change (Sponsored by Human Dimensions of Global Change Specialty Group)

Room: 205 - Washington State Convention Center, Level 2

(Paper Session)

ORGANIZER(S): Gilvan Guedes, Brown University

CHAIR(S): Gilvan Guedes, Brown University

Introducer: Gilvan Guedes

12:02 Luke Parry, PhD*, University of Lancaster, *Drivers of rural exodus from Amazonian headwaters.***12:22** Alisson Flavio Barbieri, Prof. *, Department of Demography and Cedeplar, Universidade Federal de Minas Gerais (UFMG); Gilvan Ramalho Guedes, Brown University; Reinaldo O Santos, Cedeplar, Universidade Federal de Minas Gerais (UFMG); Harley Silva, Cedeplar, Universidade Federal de Minas Gerais; Roberto L.M. Monte-Mór, Cedeplar, Universidade Federal de Minas Gerais (UFMG); Donald R Sawyer, Universidade de Brasilia (UnB); Thomas Ludewigs, Universidade de Brasilia (UnB), *Population Mobility, Remittances and Land Use/land Cover Change: a Longitudinal Analysis in Machadinho, Brazilian Amazon.***12:42** Sandra R. Baptista*, The Earth Institute at Columbia University; Marc A. Levy, CIESIN - Columbia University; Susana B. Adamo, CIESIN - Columbia University; Maria Muñoz, CIESIN - Columbia University; Maria Elisa Lukang, CIESIN - Columbia University; Tricia Chai-Onn, CIESIN - Columbia University; Gregory Yetman, CIESIN - Columbia University; Robert S. Chen, CIESIN - Columbia University; T. Mitchell Aide, University of Puerto Rico - Rio Piedras; Matthew L. Clark, Sonoma State University; María José Andrade Núñez, University of Puerto Rico - Rio Piedras, *Mobility and Vulnerability to Multi-hazard Risks in the Gulf of Mexico and Caribbean Region.***1:02** Roberto L Carmo, Dr. *, UNICAMP, *Brazilian Population in Coastal Zone: risks, vulnerabilities and adaptation in the climate change context.*

Discussant(s): Gilvan Guedes, Brown University

5341. Globalization and Variations in Regional Economic Performance III - R&D, Biotech, and Fictitious Capital - Institutional Impact (Sponsored by Regional Development and Planning Specialty Group, Economic Geography Specialty Group)

Room: 206 - Washington State Convention Center, Level 2

(Paper Session)

ORGANIZER(S): Dieter Franz Kogler, University College Dublin; Elizabeth Mack, Arizona State University

CHAIR(S): Dieter Franz Kogler, University College Dublin

12:00 Gregory M Spencer, PhD*, University Of Toronto; David Wolfe, PhD, University of Toronto, *Where politics and economics collide: the spatial distribution of R&D spending in Canada.***12:20** Jennifer Clark*, Georgia Institute of Technology; Janelle Knox-Hayes, Georgia Institute of Technology, *Fictitious Capital versus the Regions: Geographies of Financial, Carbon, and Innovation Markets.*

SATURDAY, APRIL 16 • 12:00 PM - 1:40 PM • 5300

- 12:40** Laura Wolf-Powers, Assistant Professor*, Department of City and Regional Planning, University of Pennsylvania, *Human capital-centered regionalism in economic development: The case of Philadelphia's biosciences sector.*
- 1:00** Maryann P. Feldman*, University of North Carolina; Nicola Lowe, University of North Carolina, *Biotech and BBQ: Retooling Southern Industrial Policy for High-Tech Industry Development and Innovation.*
Discussant(s): Bjorn T. Asheim, Lund University, Sweden
- 5342. Population Segregation and Assimilation (Sponsored by Population Specialty Group)**
Room: 211 - Washington State Convention Center, Level 2
(Paper Session)
ORGANIZER(S): Rachel S. Franklin, Brown University
CHAIR(S): Karen Wertz, Westchester University
12:00 Aseem Mulji*, Middlebury College, *Orange County: Residential Segregation and the North-South Discourse.*
12:15 Anna Hagauer*, University Graz, Department of Geography and Regional Science, *Urban Planning Strategies on Ethnic Residential Segregation in the City of Graz.*
12:30 Mari K Vaattovaara*, University of Helsinki, *Nordic welfare states and the dynamics and effects of ethnic residential segregation.*
12:45 Michael D Webb, Graduate Student, Ohio State University; Lawrence A. Brown*, Ohio State University, *The American Dream In Situ: Local Impacts of National Policies, Columbus Ohio 2000-2007.*
1:00 Steven Farber, PhD*, Ryerson University; Antonio Paez, PhD, McMaster University, *Measuring Segregation with Spatially Varying Mobility Metrics.*
1:15 Karen Wertz*, West Chester University of Pennsylvania, *Spatial assimilation: The case of Russian Jewish immigrants to North America, 1980-2009.*
- 5343. Indigeneity and Ontology 3 : Ontologies of Land and Resources (Sponsored by Indigenous Peoples Specialty Group)**
Room: 212 - Washington State Convention Center, Level 2
(Paper Session)
ORGANIZER(S): Caroline Desbiens, Universite Laval; Sarah De Leeuw, University of Northern British Columbia
CHAIR(S): Caroline Desbiens, Universite Laval
Introducer: Caroline Desbiens
12:20 Patricia Ballamingie*, Carleton University; Eric Lloyd Smith*, Carleton University, *Being, story, land: Towards a decolonial genealogical approach to understanding environmental conflict.*
12:40 Bryan S. R. Grimwood, PhD Candidate*, Carleton University; Nancy C. Doubleday, PhD, McMaster University, *Picturing the Thelon River: Geographies of nature and responsibility within an Arctic riverscape.*
1:00 Juanita Sundberg, PhD*, University of British Columbia, *Decolonizing Posthumanist Geographies.*
Discussant(s): Leila Harris, University of British Columbia
- 5346. Taking matters into third hands: intermediaries and the organization of the creative economy. 7. The future of creative economy research (Sponsored by Urban Geography Specialty Group, Cultural Geography Specialty Group, Economic Geography Specialty Group)**
Room: 2A - Washington State Convention Center, Level 2
(Paper Session)
ORGANIZER(S): Doreen Jakob, UNC Chapel Hill / Center for Metropolitan Studies Berlin; Bas Van Heur, Maastricht University
CHAIR(S): Bas Van Heur, Maastricht University
Discussant(s): Steve Millington, Manchester Metropolitan University; Deborah Leslie, University Of Toronto; Justin O'Connor, Queensland University of Technology; Tara Vinodrai, University of Waterloo; Graeme Evans, London Met University
- 5348. Stream Channel Dynamics and Biota**
Room: Cirrus Ballroom - Sheraton Hotel, Pike Tower, Thirty Fifth Floor
(Paper Session)
ORGANIZER(S): Program Committee
CHAIR(S): Helen Mayoral
12:00 Leonora King, BSc.*, UBC Okanagan, *Geomorphic Significance of Large Woody Debris in Streams Affected, Wildfire, Logging and Mountain Pine Beetle in the Southern Interior of British Columbia.*
12:20 Ranbir S Kang*, Western Illinois University, *Geomorphic importance of non-vascular plants.*
12:40 Helen M. Mayoral*, Georgia State University; Jordan A. Clayton, Ph.D., Georgia State University, *Particle Size, Critical Shear Stress, and Benthic Invertebrate Distribution, Abundance and Diversity in a Gravel-bed River of the Southern Appalachians.*
- 5351. International Perspectives on Population (Sponsored by Population Specialty Group)**
Room: Columbia - Sheraton Hotel, Union Tower, Fourth Floor
(Paper Session)
ORGANIZER(S): Rachel S. Franklin, Brown University
CHAIR(S): William L Allen, University of Oxford
12:00 Zhixin Feng*, University of Bristol, *Socioeconomic, family and institutional factors affecting the health outcomes for the elderly in China: a multilevel analysis.*
12:20 Timothy D. Baird*, University of North Carolina - Chapel Hill, *Parks as Disturbances: Shifting Patterns of Social Exchange near Tarangire National Park, Northern Tanzania.*
12:40 Todd Lindley, PhD*, International Studies, Indiana University, *Transnational 'Middlers' in a Small Island Tourist Destination: Tracking Recent Demographic Changes in Boracay, The Philippines..*
1:00 William L Allen*, University of Oxford, *'We Just Cross!': Everyday Perceptions and Local Negotiations of the Kenya-Uganda International Boundary.*
- 5352. Remote Sensing, Urbanization, and Land Use**
Room: Jefferson - Sheraton Hotel, Union Tower, Fourth Floor
(Paper Session)
ORGANIZER(S): Program Committee
CHAIR(S): Frank M Sims, Florida State University
12:00 Eric Ashcroft*, The George Washington University, *The Use of Textural Measurements for Urban Remote Sensing in the Accra Ghana.*
12:20 Bo Zhou*, University of Missouri; Hong S. He, University of Missouri; John H. Schulz, Resource Science Center, Missouri Department of Conservation; Tim A. Nigh, Resource Science Center, Missouri Department of Conservation, *Mapping and analyzing change of impervious surface for two decades using multi-temporal Landsat imagery in Missouri.*
12:40 Changshan Wu*, University of Wisconsin, Milwaukee, *Impact of Urbanization on Natural Ecosystem Service Values.*
1:00 Lisa Colson*, George Washington University, *Estimates of Percent Built Up and Vegetation using Ikonos Imagery of Accra, Ghana.*
1:20 F Mike Sims*, Florida State University, *Utilizing LiDAR Ancillary Data in Object Based Image Classification of Urban Structures.*

SATURDAY, APRIL 16 • 12:00 PM - 1:40 PM • 5300**5358. Weather, Geographical Contexts and Spatial Behaviour III (Sponsored by Human Dimensions of Global Change Specialty Group, Energy and Environment Specialty Group, Transportation Geography Specialty Group)**

Room: *University - Sheraton Hotel, Union Tower, Fourth Floor*
(Paper Session)

ORGANIZER(S): Martin Dijst, Utrecht University; Mei-Po Kwan, Ohio State University

CHAIR(S): Martin Dijst, Utrecht University

12:00 Valentina Grasso, IBIMET CNR; Alfonso Crisci*, IBIMET CNR -Institute of Biometeorology, National Research Council; Valerio Capecchi, LaMMA consortium - Laboratory for Meteorology and Environmental modelling - CNR Regione Toscana, *Structural Analysis and weather impact of Italian domestic annual CO2 emissions: a survey on 250 families.*

12:20 Petra A. Zimmermann*, Ball State University; Michael Holmes, Center for Media Design, Ball State University, *Weather And Media Consumption Across Space: Does The Weather Influence Our Viewing, Listening, Surfing?*

12:40 Peter D Howe, MS*, The Pennsylvania State University, *Experiencing the Climate: Using Environmental Context to Interpret Long-Term Risk Perceptions.*

1:00 Anna Broich*, University of Münster, Institute for Landscape Ecology; Lydia Gerharz, University of Münster, Institute for Geoinformatics; Otto Klemm, University of Münster, Institute for Landscape Ecology, *Do routine air quality monitoring sites represent the personal exposure of individual persons?.*

1:20 Thomas Lang*, Uni Graz - Department of Geography and Regional Sciences, *Climate Change - Challenge or Chance for Winter Tourism in Austria.*

5361. What does race become through food? (Sponsored by Cultural and Political Ecology Specialty Group, Geographic Perspectives on Women Specialty Group, Socialist and Critical Geography Specialty Group)

Room: *Ballard - Sheraton Hotel, Pike Tower, Third Floor*
(Panel Session)

ORGANIZER(S): Rachel Slocum

CHAIR(S): Rachel Slocum

Introducer: Arun Saldanha

Discussant(s): Nigel Clark, The Open University

Panelists: Lynda Johnston, university of waikato; Julie Guthman, Univ of California Santa Cruz; Paul T. Kingsbury, Simon Fraser University; Nazanin Naraghi; Susan Paulson, Lund University; Garrett Graddy, University of Kentucky; Susannah R. McCandless, Clark University; Hilda Kurtz, University of Georgia; Rachel Slocum

5365. China: Urban-Rural Linkages (Sponsored by China Specialty Group)

Room: *Greenwood - Sheraton Hotel, Union Tower, Third Floor*
(Paper Session)

ORGANIZER(S): Piper Gaubatz, University Of Massachusetts

CHAIR(S): Zhilin Liu, Tsinghua University

12:00 Yi Chen*, no; Yi Chen, Peking University; Bin Lu, Peking University, *The approach of village system spatial reconstruction on the back ground of Urban-rural Intergration: A case study of Luquan town in Shijiazhuang of HeBei, China.*

12:20 Lili Wang*, Ohio State Universty, *Small Property Right Room, Not a Small Issue: Housing, Accumulation, and the State in Urbanizing Rural China.*

12:40 Ying Tang*, 2152041079, *The Role of Government in the Process of Coordination and Interaction of Urban and Rural Construction Land in China.*

1:00 Zhilin Liu*, Tsinghua University, *Social Capital and Housing for Rural-Urban Migrants in Urban China: Evidence from a Twelve-City Migrant Survey.*

5366. Issues of immigration, ethnicity, and employment in urban areas (Sponsored by Urban Geography Specialty Group)

Room: *Issaquah A - Sheraton Hotel, Union Tower, Third Floor*
(Paper Session)

ORGANIZER(S): Eric Boschmann, University of Denver

CHAIR(S): Sara Gleave, University of North Carolina At Charlotte

12:00 Anna Joo Kim*, UCLA, *The Immigrants Are All Right: Employment Outcomes in Los Angeles County PUMAs.*

12:20 Agostino Mantegna*, UCLA, *Los Angeles as a global-city region: An occupational-skill approach.*

12:40 Rebecca Torres, University of Texas at Austin; Rich Heyman*, University of Texas at Austin, *Building Austin, Building Justice: Construction and the Immigrant Labor Movement in a Neoliberal City.*

1:00 Sara Gleave, MA*, University of North Carolina at Charlotte, *Is There a Relationship Between Location and Employment in Post-Katrina New Orleans?.*

5367. Anthropogenic environmental changes and groundwater (Sponsored by Water Resources Specialty Group)

Room: *Issaquah B - Sheraton Hotel, Union Tower, Third Floor*
(Paper Session)

ORGANIZER(S): Woonsup Choi, University of Wisconsin-Milwaukee

CHAIR(S): Woonsup Choi, University of Wisconsin-Milwaukee

12:00 Andrea Prichard*, University of Arizona; Christopher Scott, University of Arizona; Sharon Megdal, University of Arizona; Prescott Vandervoet, University of Arizona, *Uphill Both Ways: Natural Resource Impacts of Inter-Basin Transfers of Freshwater and Sewage at the US-Mexico Border City of Nogales, Sonora.*

12:20 Danielle del Castillo Shelton*, Texas State University Dept of Geography; Adrian Vogel, Ph.D Graduate Student, Texas State University, *Assessment of the Participatory Process for the Adaptive Management of the Cypress Creek, Texas Groundwater System.*

12:40 Perumal Balakrishnan*, Qatar University; Abdul Saleem, PDA College of Engineering, *Ground Water Quality Mapping for an Indian Urban Habitat.*

1:00 Sonal Gangawala, Ph.D. Scholar*, Government College, University of Kota, Kota (Rajasthan) India; M.Z.A. Khan, Dr., Government College, University of Kota, Kota (Rajasthan) India; Rakesh Vijay Khanna, Dr., Cleveland Clinic, Cleveland (Ohio), *Assessment of Water Quality of the Chambal River and other Water Sources in the Hadoti Region of Rajasthan, India..*

1:20 Ulrike Galasinski, University of Wisconsin-Milwaukee; Woonsup Choi, Ph.D.*, University of Wisconsin-Milwaukee; Chulsue Hwang, Ph.D., Kyung Hee University, *Spatial and Temporal Relationship between Groundwater Level and Urban Growth: Waukesha County, Wisconsin.*

SATURDAY, APRIL 16 • 12:00 PM - 1:40 PM • 5300

- 5368. Catastrophic Geographies: natural disasters and more-than-human worlds**
Room: *Kirkland - Sheraton Hotel, Union Tower, Third Floor*
(Paper Session)
ORGANIZER(S): Henry Sivak, Arizona State University; Thomas Puleo, Arizona State University
CHAIR(S): Henry Sivak, Arizona State University
12:00 Thomas J Puleo*, Arizona State University, *The Art of Recovery: Port-au-Prince 2010*.
12:15 Alexia Rogers-Wright, BSc(Hons) MSc*, University of Hull, *2007 Hull floods: an unnatural disaster?*.
12:30 Tristan Sturm*, UCLA, *Evangelical Environmental Apocalypticism and Environmental Policy Futures*.
12:45 Emily Rosenman*, University of British Columbia, *Dynamic Recovery: the Production of post-Katrina New Orleans*.
Discussant(s): Henry Sivak, Arizona State University
- 5369. Geographic Technologies for Land Use Analysis**
Room: *Leschi - Sheraton Hotel, Union Tower, Third Floor*
(Paper Session)
ORGANIZER(S): Program Committee
CHAIR(S): Caroline Erickson, EPA
12:00 William Welsh*, Eastern Michigan University; Zongyao Sha, Wuhan University; Yichun Xie, Eastern Michigan University, *In-Situ Reflectance Measurements of Long-Term Grazing Experiment Control Plots*.
12:20 Yimin Chen*, School of Geography and Planning, Sun Yat-sen University; Xia Li, School of Geography and Planning, Sun Yat-sen University; Xiaoping Liu, School of Geography and Planning, Sun Yat-sen University, *An Integrated Method for Zoning of Agricultural Conservation Areas Using Geosimulation and Optimization*.
12:40 Katarzyna Ostapowicz*, Jagiellonian University; Jacek Kozak, Jagiellonian University, *Modelling of future land cover change using geographical cellular automata and support vector machine*.
1:00 Ryan Robert Reker*, ASRC Research & Technology Solutions; Terry Sohl, US Geological Survey; Michelle Bouchard, ASRC Research & Technology Solutions; Kristi Saylor, US Geological Survey; Benjamin Sleetor, US Geological Survey, *Forecasting Future Land Use Scenarios of Biofuel Production: Development of a spatially-explicit land use model for the assessment of biofuels in the northern great plains*.
1:20 Caroline Erickson*, EPA Office of Research and Development, *Locating the Optimum Location to Grow Native Grasses for Biofuel near the Koda Biomass Facility, Shakopee, MN, Using a GIS Model*.
- 5370. Landscapes of Extraction**
Room: *Medina - Sheraton Hotel, Union Tower, Third Floor*
(Paper Session)
ORGANIZER(S): Program Committee
CHAIR(S): Julie M. Mura, Florida State University
12:00 Peter Vancura*, Rutgers University, *Reassembling the Fragments: Institutional Geographies and Adaptation to Shale Gas Development in Appalachia*.
12:20 Kenneth A. Barrick*, University of Alaska Fairbanks, *The Limits of Geothermal Energy Development*.
12:40 Chris W Baynard, PhD*, Dept of Economics and Geography, University of North Florida, *The landscape infrastructure footprint of oil development*.
1:00 Margaret Lauren McGunagle*, United States Military Academy at West Point, *The Effects of Oil and Gas Development on Forest Fragmentation in the Allegheny National Forest*.
1:20 Julie M. Mura, PhD Student*, Florida State University, *Lithium Extraction in a Post-Liberal and Decolonial Bolivia*.
- 5371. Geographical Contributions to the Design of the City**
Room: *Metropolitan Ballroom A - Sheraton Hotel, Third Floor*
(Paper Session)
ORGANIZER(S): Program Committee
CHAIR(S): Jason Brody, Kansas State University
12:00 Elizabeth Delmelle*, University of North Carolina at Charlotte; Jean-Claude Thill, Ph.D., University of North Carolina at Charlotte; Owen J. Furuseth, Ph.D., University of North Carolina at Charlotte; Thomas Ludden, University of North Carolina at Charlotte, *Trajectories of Urban Neighborhood Quality of Life Change*.
12:20 Gina S. Lovasi, PhD, MPH, Department of Epidemiology, Mailman School of Public Health, Columbia University; Michael D.M. Bader, PhD, Robert Wood Johnson Health & Society Scholars Program, University of Pennsylvania; James W. Quinn, MA*, Institute for Social and Economic Research and Policy, Columbia University; Kathryn M. Neckerman, PhD, Center for Health and the Social Sciences, University of Chicago; Christopher C. Weiss, PhD, Institute for Social and Economic Research and Policy, Columbia University; Andrew G. Rundle, DrPH, Department of Epidemiology, Mailman School of Public Health, Columbia University, *Does Neighborhood Safety and Aesthetics Predict Body Mass Index in Disadvantaged Areas of New York City?*.
12:40 Robert D. Lemon, M.C.R.P., M.L.Arch., Ph.D. Student*, The University of Texas at Austin- Geography and the Environment, *Measuring the Social Constructs of Space: Using GIS to Quantify Boundary Perceptions of Demographically Distinct Neighborhoods in Oakland, CA*.
1:00 Barbara MacLennan, M.S.*, West Virginia University; Susan Bergeron, West Virginia University; Frank LaFone, M.A., West Virginia University, *A Digital City Framework for Policy Shed Analysis*.
1:20 Jason Brody*, Kansas State University; Blake Belanger, Kansas State University; Jessica Canfield, Kansas State University, *Critical Mapping: Practical Inquiry for Complexity Driven Praxis*.
- 5373. Placing Community II (Sponsored by Cultural Geography Specialty Group)**
Room: *Queen Anne - Sheraton Hotel, Union Tower, Third Floor*
(Paper Session)
ORGANIZER(S): Rebecca A. Sheehan, Oklahoma State University; Jacqueline Vadjunec, Oklahoma State University
CHAIR(S): Rebecca A. Sheehan, Oklahoma State University
12:00 Sandra Metoyer*, Texas A&M University, *Community at the Festival: Social Spaces Created Among the Strange and the Deviant*.
12:20 Luke Drake*, Rutgers University, *Performing Community through Scale in Urban Garden Programs: Evidence from Miami, Florida*.
12:40 Helen A. Regis*, Louisiana State University, *Situating Community in New Orleans*.
1:00 Matthew James Kelley*, University of Washington, Tacoma, *Narrowing the Scale of Urban Community Assessment Through the Application of Participatory Multimedia Tools*.
1:20 Jennifer Speights-Binet*, Samford University; Christa Boske, Kent State University; Lillian McEnery, University of Houston, Clear Lake, *Dead End Living: A Geographer Rediscovered the Importance of Place*.

SATURDAY, APRIL 16 • 12:00 PM - 1:40 PM • 5300

- 5374. GIS and High-performance Computing Futures**
Room: *Ravenna - Sheraton Hotel, Union Tower, Third Floor*
(Paper Session)
ORGANIZER(S): Program Committee
CHAIR(S): Gaetan Dussault, INRS
12:00 Ick Hoi Kim*, San Diego State University, *Developing Parallel Schelling's Segregation Model on TeraGrid.*
12:20 Zhipeng Gui*, LIESMARS, Wuhan University; Huayi Wu, LIESMARS, Wuhan University, *GeoChaining: An Integrated Visual Platform for Composing, Validating, Deploying and Executing Geospatial Web Service Chains.*
12:40 Bill Hodge, GISP*, Full Member, *Points, Lines, & Polygons in Charge: GIS's Manifest Destiny.*
1:00 Gaetan Dussault*, INRS; Philippe Apparicio, INRS; Carole Levesque, INRS; Damien Dumusque, INRS; Benoit Frébaud, INRS, *The deployment of interactive atlases on the internet: a comparison of five web mapping solutions using the Socioeconomic Atlas of the Aboriginal Communities of Québec.*
- 5376. Places at the Edge: Understanding Successful Redevelopment**
Room: *Aspen Room - Sheraton Hotel, Second Floor* (Paper Session)
ORGANIZER(S): Program Committee
CHAIR(S): Anibal Yáñez-Chávez, California State University - San Marcos
12:00 Ron McChesney*, Three Scale Research LLC, *Micro Outbacks: Places to Observe Rapid Landscape Change.*
12:20 Eunice Amisah*, University of Cape Coast, Ghana; Foster Frempong, Kwame Nkrumah University of Science and Technology; Agnes Amisah*, Koforidua Polytechnic, Ghana; Eudora Aidoo-Taylor*, Takoradi Polytechnic, Ghana, *Labour Turnover In Hotels In Cape Coast.*
12:40 Ana Vera-Martin*, Universitat Autònoma de Barcelona; Montserrat Pallares-Barbera, Universitat Autònoma de Barcelona; Anna Badia, Universitat Autònoma de Barcelona, *Multiple-Criteria Evaluation for tourism activity location in the Catalan Pyrenees.*
1:00 Anibal Yáñez-Chávez*, California State University - San Marcos, *Mexico's Geography in English.*
- 5378. The Geography of Black Social Movements: Current Research and Perspectives (Sponsored by Political Geography Specialty Group, Socialist and Critical Geography Specialty Group, Ethnic Geography Specialty Group)**
Room: *Douglas Room - Sheraton Hotel, Second Floor* (Paper Session)
ORGANIZER(S): Doris Garcia, Louisiana State University; Paul Karolczyk, Louisiana State University
CHAIR(S): Clement Lai, Cornell University
12:00 Clement Lai, Ph.D.*, Cornell University, *Multiracial Alliance Building in the Redeveloping City.*
12:20 Doris Garcia*, Louisiana State University, *Garinagu Land Rights Movement: Geography and Political Practices in the United States and Honduras.*
12:40 Paul Karolczyk*, Louisiana State University, *The New Afrikan Independence Movement: Geography and Mobilization in the Deep South.*
1:00 Priscilla McCutcheon*, University of Georgia, *Building "Heaven on Earth" through the Food Programs of the Pan African Orthodox Christian Church.*
1:20 Bobby M. Wilson*, University Of Alabama, *Political Consumerism and the Struggle for Civil Rights.*
- 5381. Hydrological Modelling Studies**
Room: *Grand Ballroom C - Sheraton Hotel, Second Floor*
(Paper Session)
ORGANIZER(S): Program Committee
CHAIR(S): A-Xing Zhu, Univ of Wisconsin
12:00 Gregory J. McCabe*, United States Geological Survey; David M Wolock, United States Geological Survey, *A National Monthly Water Balance Model.*
12:20 Zoia Comarova*, Georgia State University; Jordan J Clayton, Georgia State University, *Assessment of watershed model simplification and potential application in small ungauged watersheds: a case study of Big Creek, Atlanta, GA.*
12:40 Assaf A Alhawas*, King Saud University, *GIS & Remote Sensing Assessments of Arid Land Hydrologic Systems Responses to Excessive Droughts.*
1:00 A-Xing Zhu, Professor*, Univ of Wisconsin; Runkui LI, Dr., Graduate University, Chinese Academy of Sciences, *Effects of Spatial Aggregation of Soil Spatial Information on Watershed Hydrological Modeling.*
- 5382. Session 2: Geography & Health Research**
Room: *Grand Ballroom D - Sheraton Hotel, Second Floor*
(Paper Session)
ORGANIZER(S): Bethany Deeds, National Institute on Drug Abuse; Regina Bures, NICHD
CHAIR(S): Regina Bures, NICHD
12:00 Hannah LF Cooper, ScD*, Rollins School of Public Health at Emory University; Loida Bonney, MD, MPH, Emory School of Medicine; Stephanie Wodarski, MA, Rollins School of Public Health at Emory University; Emily Dauria, MPH, Rollins School of Public Health at Emory University; Deanne W Swan, PhD, Rollins School of Public Health at Emory University; Josalin Hunter-Jones, MPH, MSW, Rollins School of Public Health; Richard Rothenberg, MD, Georgia State University, *A Longitudinal Analysis of Public Housing Relocations and Relocaters' Use of Alcohol and Other Drugs.*
12:20 Henry H Brownstein, PhD*, NORC at the University of Chicago; Timothy Mulcahy, NORC at the University of Chicago; Johannes Huessy, NORC at the University of Chicago; Carol Hafford, NORC at the University of Chicago; Bruce Taylor, NORC at the University of Chicago, *Using Virtual Telephone Interviews to Study the Impact of Local Meth Markets on Community Health and Safety.*
12:40 Ge Lin*, University of Nebraska, *Geographic questions and health outcomes in demography and population health research.*
1:00 Mary D Brantley, MPH*, Centers for Disease Control and Prevention; Hua Lu, MS, Centers for Disease Control and Prevention; Wanda D Barfield, MD, MPH, FAAP, Centers for Disease Control and Prevention; James B Holt, MPA, PhD, Centers for Disease Control and Prevention, *Visualizing Pediatric Mass Critical Care Hospital Resources by State, 2008.*
Discussant(s): Bethany Deeds, National Institute on Drug Abuse

SATURDAY, APRIL 16 • 12:00 PM - 1:40 PM • 5300

5383. Monetizing the City: Local Practices of Financialization

- Room:* Juniper Room - Sheraton Hotel, Second Floor (Paper Session)
 ORGANIZER(S): Philip Ashton, University of Illinois-Chicago; Marc Doussard, University of Illinois at Chicago
 CHAIR(S): Philip Ashton, University of Illinois-Chicago
12:00 Phillip O'Neill*, University of Western Sydney, *The contradiction between infrastructure as an investment product and infrastructure as a generator of a sustainable urban economy.*
12:20 Nicholas K Tulach*, Rutgers, The State University of New Jersey, *So long, nickel fare: The changing role of fiscal policy and finance in New York City public transport.*
12:40 Daniel J. Hammel*, University of Toledo, *Another Way to Foreclose: Financialization and Property Tax Liens.*
1:00 Marc Doussard*, University of Illinois at Chicago; Philip Ashton, University of Illinois-Chicago, *From Potholes to Debt Swaps: Infrastructure Privatization as a Platform for Financial Engineering.*
 Discussant(s): Peter Wissoker, Cornell University

5384. Environmental Policies in India

- Room:* Madrona Room - Sheraton Hotel, Second Floor (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Neera Singh, Michigan State University
12:00 Peter P. Mollinga*, SOAS, London, UK; Gert Jan Veldwisch, Irrigation and Water Engineering group, Wageningen University, the Netherlands, *Canals, complexity and governance: Emergent properties of large scale irrigation systems in India and Uzbekistan.*
12:20 Julianne H Mills, Ph.D.*, Davidson College, *Man vs. Tiger: Conflicting Narratives of Resource Use and Species Protection in Northern India.*
12:40 Abhijit Banerjee*, Northeastern Illinois University, *The Feasibility of India's Biofuels Targets and the Potential For Land Use and Food Production Conflicts.*
1:00 Nitin D. Rai*, ATREE, India, *Rethinking Conservation: Science, Fire History and Local Knowledge in a Protected Area in India.*
1:20 Neera M. Singh*, University of Toronto; Kundan Kumar, University of Toronto, *India's Recognition of Forest Rights Act: Emerging Lessons.*

5385. Marine and Coastal Management

- Room:* Spruce Room - Sheraton Hotel, Second Floor (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Lynn Brien, Kansas State University
12:00 Aaron Strong*, Fletcher School of Law and Diplomacy, *The Political Ecological Geography of the Sea: The Promises and Pitfalls of Bounding Marine Spaces for Ecosystem Management.*
12:20 Jessica L Blythe*, University of Victoria; Mark Flaherty, University of Victoria; Grant Murray, Vancouver Island University, *Responding to change in rural fishing communities: insights on vulnerability and resilience from coastal Mozambique.*
12:40 Young Rae Choi*, Ohio State University, *Marine Protected Area (MPA) in Korea: A story of resistance, rejection and implementation.*
1:00 Skye Augustine*, University of Victoria; Philip Dearden, PhD, University of Victoria, *Clam gardens and protected areas: Conversations about First Nations, ecological integrity, and active management in national parks.*
1:20 Matthew B. Bethel, Ph.D., University of New Orleans, Pontchartrain Institute for Environmental Sciences; Lynn F. Brien*, Kansas State University; Emily J. Danielson, University of New Orleans, Center for Hazards Assessment, Response, and Technology; Shirley B. Laska, Ph.D., University of New Orleans, Center for Hazards Assessment, Response, and Technology; John P. Troutman, Louisiana Coastal Protection and Restoration Authority, Office of Coastal Protection and Restoration; William M. Boshart, Louisiana Coastal Protection and Restoration Authority, Office of Coastal Protection and Restoration; Marco J. Giardino, NASA Stennis Space Center, Applied Science and Technology Project Office; Maurice A. Phillips, The Community of Grand Bayou, Louisiana, *Blending geospatial technology and traditional ecological knowledge to enhance restoration decision support processes in coastal Louisiana.*

5387. Interregional Competitiveness

- Room:* Willow B - Sheraton Hotel, Second Floor (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Michael Wolfe, University of California, Los Angeles
12:00 Marc Auerbach*, The Ohio State University, *Why do places compete? Lessons from the U.S. automotive industry.*
12:20 Gashawbeza Bekele*, Tennessee State University, *Regional Economic Structure, Spatio-economic Clustering, and Competitive Performance: Empirical Evidence from the U.S.*
12:40 Michael Wolfe*, University of California, Los Angeles, *Examining Commercialization in Ontario and the Barriers to Innovation.*

SATURDAY, APRIL 16 • 1:50 PM

AAG AWARDS LUNCHEON

Saturday, April 16, 1:50 p.m. - 3:50 p.m.

Room: Grand Ballroom A&B - Sheraton Hotel, Second Floor

Join colleagues and friends in honoring the recipients of AAG Honors and other awards and prizes. The Awards Luncheon will be held on Saturday, April 16 in Grand Ballroom A&B - Sheraton Hotel, Second Floor, from 1:50 p.m. - 3:50 p.m.

The following AAG Honors will be presented:

Susan Cutter, University of South Carolina, *Lifetime Achievement Honors*

Mei-Po Kwan, The Ohio State University, *Distinguished Scholarship Honors*

Diana Liverman, University of Arizona, *Distinguished Scholarship Honors*

Joseph Stoltman, Western Michigan University, *Gilbert Grosvenor Honors for Geographic Education*

Rosanna Whitehead, *Ronald F. Abler Distinguished Service Honors*

Philip Pryde, *Gilbert F. White Distinguished Public Service Honors*

Pion, Ltd., *AAG Publication Award*

In addition to AAG Honors, the Burrill Award, Miller Award, Nystrom Award, Jackson Prize, AAG Enhancing Diversity Award, Specialty Group Awards, and others will be presented.

The following individuals have held 50 years of continuous AAG membership, a measure of support for the Association that will be recognized at the AAG Awards Luncheon:

H G. Barnum	Leland R. Pederson
Stanley D. Brunn	Norbert P. Psuty
William Clark	Elbridge Renning, Jr.
Emmett L. Costello	George A. Schnell
William A. Dando	Richard H. Skaggs
Harm J. de Blij	Reed F. Stewart
Peter M. Enggass	Waldo R. Tobler
Arthur Getis	Jack R. Van Lopik
Richard D. Hecock	John A. Wolter
Robert T. Moline	

The cost of the luncheon is \$55, including service and tax. A complete table of ten is also available for \$495. Tickets may be purchased at the AAG Registration Desk.

AAG BUSINESS MEETING

Saturday, April 16, 4:00 p.m. - 5:00 p.m.

Room: Aspen Room - Sheraton Hotel, Second Floor

The AAG's annual Business Meeting will be held in the Aspen Room at the Sheraton Hotel, Second Floor on Saturday, April 16 from 4:00 p.m. - 5:00 p.m. AAG officers will present their annual reports. All are welcome to attend.

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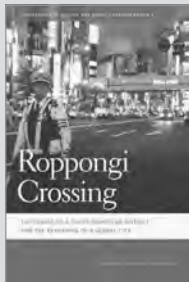


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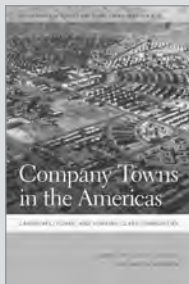
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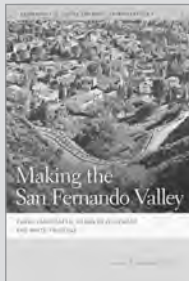
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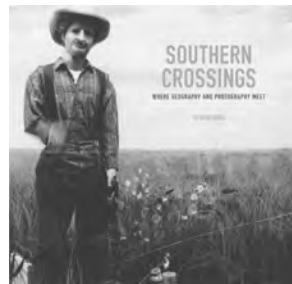
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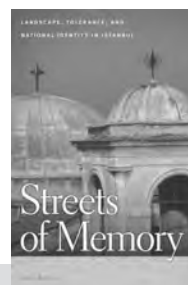
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