Presenting author(s) are indicated with an asterisk (*).
3103. Agriculture from a Human Perspective  
**Room:** 603 - Washington State Convention Center, Level 6  
***Paper Session***  
**Organizer(s):** Program Committee  
**Chair(s):** Jesse 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 Prokopcy, PhD, Purdue University, *The Determinants of Best Management Practice Maintenance.*  
**8:40**  
**9:00**  
- Christopher Atkinson, PhD*, University of North Dakota, *Mitigation, Ecosystem Services and Land Tenure: Project Development and Implementation.*  
**9:20**  
- Jessie Reynolds, MA, Geography*, University of Montana; Christiane von Reichiht, 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**  
**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.*  

3105. 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 Fifeid, Canadian Wildlife Service; Mount Pearl, Newfoundland; Carina Gjerdrum, Canadian Wildlife Service, Dartmouth, *Maps, Models and Marine Threats: Assessing the Geographic Patterns of Vulnerability of Atlantic Canadian Seabirds at-Sea.*  
**8:20**  
- Jennifer Horwath Burnham*, Augusta 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  
**8:00**  
- Naricsta 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 Savannah?*.  
**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 Hydropolitic in Ethiopia.*  

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 Savannah?*.  
**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 Hydropolitic 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 Wieczorek, PhD, Center for Health and Social Research, *Survival Clusters in Iowa: 1997 to 2007*.  
**8:40**  
- David Haynes*, Student, Iowa Cancer Maps: mapping today for health planning tomorrow.  
**9:00**  
- Antonia Pace*, 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.
3112. Immanent Materialisms in Geography: Marx, Deleuze, Spinoza, and Space 1 (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: Transversalizing the immanent plane(s) 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.


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*, Umel University, Ecology and the accumulation of capital: The production of nature in the capitalist world-economy, 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 Caution Eye to Labels in Climate Change Research and Policy.

8:40 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 Hespiantha*, 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.
9:00 Christopher Bacon*, Santa Clara University; Raul Diaz, Asdienic; 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.


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”.
8:40 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
8:20 Ira M. Shekin*, 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.
8:40 Katrinia 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.
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  
Nymar, Florida State University; Mauro J Caraccioli,  
University of Florida, Atlas Swam: Freedom, Capital,  
and Floating Sovereignties in the Seasteading Vision.  
9:00  Christopher Niech*, 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 Pickut, 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 Apiah-Yeboah, PhD, Health Risk Partners,  
Richmond VA; Asamoah Bosumtnwi, 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  
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, Hydroclimatic 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 Borderlands: Visual  
8:20  Deborah E Conen*, University of Toronto, Circulating  
Staff: From Military Art to Business Science.  
8:40  Mark Salter*, University of Ottawa, Spaces In-Between:  
Theories of Interstiltality.  
9:00  Emily Gilbert*, University of Toronto, The Calculation of  
Value and the Management of Contingency.  
Discussant(s): Francois Debrux, Florida International University
### 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 JUNGA, National Taiwan University; Chih-Hong Sun, National Taiwan University, *A multi-agents and ontologies framework for intelligent spatial decision support systems.*  

### 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 Attribution 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.*  
**8:40** Louise Dyble*, Michigam 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, Ph.D.*, University of Newcastle Upon Tyne, *Real and Imagined Geographies of Communism: Lessons for the Mainstream.*  
**9:00** Jan Willem Duysvendak*, 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 Dowlert*, 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 Shmuel*, 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 Colombia, *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 Ethic 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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**THURSDAY, APRIL 14 ● 8:00 AM - 9:40 AM ● 3100**

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**3133. Hurricanes I: Wind, Rain, and Societal Impacts (Sponsored by Climate Specialty Group, Hazards Specialty Group)**

- **Room:** 310 - Washington State Convention Center, Level 3
- **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 Attribution 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.*
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 Pucon 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.
9:00 Jeffrey Olson*, The Ohio State University, Amenities and Rural Development Success in the Midwest.
9:20 Kimiko Ngaard, 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
8:20 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 Germán Manca*, Departamento 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 Flyer.
8:15 Jamie Gillen*, Auburn University, Post-War Tours.
8:30 Steven Flusty*, York University, The Rime of the Frequent.
8:45 Saithong Phommavong*, Department of Culture Geography, Umea University; Saithong Phommavong, Ph D Candidate, Tourism and the question of poverty.
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-cape": eurocentrism, geography and dating.
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.


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, Neighborhood 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 Author, 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: Jacek (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 Faser University; Steve Pile, The Open University
CHAIR(S): Paul T. Kingsbury, Simon Faser University
8:00 Laura J. Cameron, Associate Professor*, Queens University, Situating psychoanalysis: Freud and undergraduate imaginations in Interwar Cambridge.
8:20 Cheryl McGeechan*, 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.


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 Katherine E. Richardson, Dr.*, San Jose State University, Seeking Sun in the Rainforest: WestCoastHigh 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)?
9:20 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 Phyocyanin 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.
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): Andrew F Clark, McMaster University
8:00 Stephanie Leheis*, Université Paris-Est/ LATTES, The highspeed rail network, maturation time or new turn?.
8:20 Tine F. Ngina*, University College Dublin (UCD); Gerald Mills, Dr., University College Dublin, Relationship between Traffic and Carbon Sequestration in Inner City Dublin, Ireland.

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: Hard 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-in Bu*, Ph.D.student, Okayama University, Self-governing by Autonomous Organizations in Depopulated Rural Areas: A Case study of Ikehwa District, Akitakata City, Japan.
8:40 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.
9:00 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 Stephanie Leheis*, Université Paris-Est/ LATTES, The highspeed rail network, maturation time or new turn?.
8:20 Tine F. Ngina*, 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 Yiannakoulas, 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 Decouteau*, University of Illinois at Chicago, HIV/AIDS and the Struggle for Life in South Africa's Shacks.
8:31 Claire S Herbert*, University of Michigan; Andy Clarno, University of Illinois at Chicago, The 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.
8:40 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.
3165. Career development I: How to publish articles in peer-reviewed 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 Sidorenko*, 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.

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): Nicole Dusyk, University of British Columbia
CHAIR(S): Nicole 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 Berkhour, Ph.D. Candidate*, University of British Columbia; Armim 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 Nicole Dusyk*, University of British Columbia, Transformation without controversy? The case of the Peace Energy Cooperative.

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
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 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 Jiayuan Liu*, Interactive Travel 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 Kliippel*, 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, Ph.D., 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 Hanson; Leslie Gray, Santa Clara University; Brian King, The Pennsylvania State University, Karl S. Zimmerer, The Pennsylvania State University

8:00 Thaddeus Wester*, East Carolina University; Thad A Wasklewicz, Ph.D., East Carolina University Department of Geography; Dennis M Staley, Ph.D., U.S. Geological Survey, U.S. Geological Survey, Observations of Unsealed Road Impacts on a Recently Burned Drainage Basin.

8:40 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.


9:00 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.
THURSDAY, APRIL 14 ● 8:00 AM - 9:40 AM ● 3100

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?

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 Bowby*, University of Reading, The time-space organization of care.
9:00 Ben Rogaly*, University of Sussex; Susan Thiem, 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, Tracing the 1910 Carruthers Royal Geographical Society Expedition to the Turgen Mountains of Mongolia: Reconstruction of a Century of Glacial Change.
8:20 Karl Gossner*, University of California, Santa Barbara, Modelling 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

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.
### 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 Schlepker*, 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.*  
**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.*  
**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.*  

### 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  
**10:20** 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 NOA Fisheries, *Managing Marine Debris in Dyes Inlet, Puget Sound, Washington.*  
**10:20** Matthew Marsik*, 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 NOA Fisheries, *Watershed-estuary models to evaluate trade-offs between watershed and marine management strategies.*

### 3208. Marine Management 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 NOA 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 NOA Fisheries, *Water-- the nexus of security and stability (Sponsored by Military Geography Specialty Group).*

### 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.  
**THURSDAY, APRIL 14 ● 10:00 AM - 11:40 AM ● 3200**

**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 Agadanian, Arizona State University; Sarah Hayford, Arizona State University, *Exploratory Spatial Analysis of Sexual and Reproductive Health Services Utilization in Rural Mozambique.*


**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.*


**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.*


**10:40** Arun J J 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.*


**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 Israel 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
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.
11:00 Joseph Holler*, SUNY at Buffalo, Knowledge networks of community environmental groups and implications for adaptive capacity on Mount Kilimanjaro.

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.

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 Y1*, 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.

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.
11:00 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.
11:20 Matthias Kracht*, Freie Universität Berlin; Mattias Ruiz Lorbercher, Freie Universität Berlin; Steven Bayer, Freie Universität Berlin; Martin Ruhe, German Aerospace Center, Floating Car Data As Means For Traffic Speed Detection And Pollution Assesment - 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 Ward: An Historical Perspective.
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 Chappel Hill, Improving Primary Health Care Delivery to an Uninsured and Transitioning Hispanic Immigrant Community.

11:00 Florian Fischer*, OcAW-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.
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 Mitchell, 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.  
Molly Storrs*, University of Cincinnati, The Demand for Day labor and Illegal Immigration in Fort Worth.  
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 Attribution: 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.  
Igor Vojnovic*, Michigan State University; Jieun Lee, Michigan State University; Zeevat Kotval, Michigan State University; Mingyi 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 Schieffelbein*, Miami University; Daniel Himan*, 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.  
Zeevat Kotval*, Michigan State University; I. Vojnovic, Michigan State University; A. Podagrosi, Michigan State University; P. Varnakovlida, 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: Assessing 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.  
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 Hallott, 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 Mullan  
Introducer: Andrew Bell  
10:05 Michael Toomey*, University of California, Santa Barbara; Dar Roberts, PhD, University of California,
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 McGlinn, SUNY - New Paltz  
10:00 Tomoy Oyama*, 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 Aeberl, DVM, MPH, PhD, National Cancer Institute; Lan Huang, PhD, Food and Drug Administration; James Cucinelli, Information Management Services; Timothy S McNeil, 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.  

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**  
(Paper Session)  
ORGANIZER(S): Ines M. Miyares, Hunter College; Alex Ramirez, Hispanic Association of Colleges and Universities  
CHAIR(S): Ines M. Miyares, Hunter College  
11:00 Jon Davis*, University of Colorado at Colorado Springs; John Davis*, University of Colorado at Colorado Springs  
11:20 John Davis*, University of Colorado at Colorado Springs, Resplendent Quetzal nesting site availability on a private preserve in the Sierra de las Minas, Guatemala.

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.  
10:40 Sanjeev Kumar*, University of Georgia, Sangh Parivar and the Bhutanese Refugees: Constructing a Hindu Diaspora in the U.S.  
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
3229. Hydroclimatology II (Sponsored by Climate Specialty Group, Cryospheric 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 Klaveter*, 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 Nategi, 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 Paleoenviromental Change Specialty Group, Geography Education Specialty Group, Biogeography Specialty Group)  
Room: 307 - Washington State Convention Center, Level 3  
(Paper 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 University  
10:00 Christopher D. Zaback*, Department of Geography, Texas A&M University; Tina Dippe, Leibniz-Institute for Marine Sciences, IFM-GEOMAR, Kiel, Germany; Roshi Nategi, Department of Geography and Environmental Engineering, Johns Hopkins University, Baltimore, MD, Modeling Variations in Atlantic Tropical Cyclone Activity.  

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. Raiston*, 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.  

3232. 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.  
10:40 Namyoung 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 Zaki, Faculty of Economics Seikei University, Japan, Typhoon tracks around Japan from 1951 to 2008.  

3233. 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  
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  
10:00 Allison Brown, Western Michigan University, Local Food: Perceptions and Realities in Southwest Michigan.  
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  

3234. 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): Byron A. Miller, University of Calgary  
Panelists: Wendy Woldorf, 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  
10:00 Andrea J. Dauvergne*, University of Calgary, The Community Economic Development Implications of Community Supported Agriculture.  
10:20 Christopher D. Merrett, Ph.D.*, Western Illinois University, The Community Economic Development Implications of Community Supported Agriculture.  
10:40 Namyoung Kang*, 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 National Liberalism.*  
**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.*  
**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  
**(Panel 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  
**(Panel Session)**

**ORGANIZER(S):** Dragos Simandan, Brock University  
**CHAIR(S):** Dragos Simandan, Brock University  
**Panelists:** Anne Godlewksa; 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 Voeboorio, Ph.D., Kwanre Nkrumah University of Science and Technology, Ghana; Kamini Singh, 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  
**(Panel 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
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.  

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.  
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.  
10:40 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".  
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; Suzi Wiseman, Texas State University - San Marcos  
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.  
10:40 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; Shemin 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 Faser 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, Analytical Supervision as a Psychoanalytic Research Model.
11:00 Hilda Fernandez*, Lakan Saloon, Facebook: From Narcissism to Politics.
11:20 Nazanin Naraghi*, Simon Fraser University; Paul T. Kingsbury*, Simon Faser University, Char Shanhe 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 its 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 Yek*, 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.
11:00 Jon Shellenberger, M.S.*, Yakama Nation Wildlife Program, Bringing Back the Wapti: 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 Hula 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 Reniczek, Emporia State University; Megan M. Floiry, 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.
### 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

**Organizer:** Luis Fischer, University of Edinburgh, Institute of Geography; Jochen F. Mayer, Institute of Geography, University of Edinburgh

**Chair:** 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.

**10:10** Heike Jons*, Loughborough University; Mike Heffernan, University of Nottingham, Imperial and international dimensions of knowledge production in the University of Cambridge, 1885-1955.


**10:30** Luise Fischer*, University of Edinburgh, Mapping the making of geographical knowledge in eighteenth-century Germany.

**10:40** Philippe Forest*, 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

**Organizer:** Stefan Kipfer, York University; Kanishka Goonewardena

**Chair:** Kanishka Goonewardena

**10:00** Thorben Wieditz*, York University, Transcending the Regulation Approach? The role of the sensuous human body, everyday life and space.

**10:10** Stefan Kipfer*, York University; Kanishka Goonewarden, Professor, University of Toronto, Colonial or urban counter-revolution? Urban strategies and resistance in the Paris region.

**10:30** Teresa Abruzzese*, York University, The Festival 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:** Vinay K. Gidwani, University of Minnesota

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### 3261. Cartography Specialty Group: 2011 Honors Student Paper Competition (Sponsored by Cartography Specialty Group)

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

**Organizer(s):** Kirk Goldsberry, Michigan State University

**Chair:** 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.


**10:40** Jay Louis Fowler, Grad Student*, University of South Carolina, Communicating Uncertainty Cartographically.

### 3265. Career Development II: How to find an academic job? (Sponsored by China Specialty Group)

**Room:** Greenwood - Sheraton Hotel, Union Tower, Third Floor

**Organizer(s):** Oihao Weng, Indiana State University

**Chair:** Oihao Weng, Indiana State University

**10:00** Pallavi V. Das*, Lakehead University, Empire and Gardens: A Study of a Botanic Garden in Colonial India, 1847-1900.

**10:10** Heike Jons*, Loughborough University; Mike Heffernan, University of Nottingham, Imperial and international dimensions of knowledge production in the University of Cambridge, 1885-1955.


**10:30** Luise Fischer*, University of Edinburgh, Mapping the making of geographical knowledge in eighteenth-century Germany.

**10:40** Philippe Forest*, Stockholm University, Stranded in Central Asia. The Premature Discovery of Global Warming.

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### 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

**Organizer(s):** Jessica K. Graybill, Colgate University; Michael Gentile, Umeå University

**Chair:** 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.

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### 3267. Land Use Change in Latin America

**Room:** Issaquah B - Sheraton Hotel, Union Tower, Third Floor

**Organizer(s):** Program Committee

**Chair:** Daniel Redo, Texas A&M University

**10:00** Andres Guhl*, Universidad De Los Andes, Understanding landscape change in the Colonial Andes: Insights from environmental history and remote sensing.

**10:20** Juan Miguel Kanaz*, University of Miami, Emerging (in)mobilities in a dendritically-organized corridor through the Amazonian forest.
THURSDAY, APRIL 14 ● 10:00 AM - 11:40 AM ● 3200

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 Lacandon 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 politcs 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; Cath 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.
10:40 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*, Pedagogische Hochschule, Gender and Spatial Abilities: Women Navigates Best in the Supermarket.
10:40 Joanna Reid*, University College of the North, Sam Walter's Miscellany: Science and Education in Northern Manitoba, 1900 - 1978.
11:00 Kathy Harris*, Stanford University - Spatial History Lab, Visual Evidence: Using Geovisualisation to Reveal Patterns and Anomalies in Historic Datasets.

3271. Migrant Civil Society and the Struggle over Migrant Integration (Sponsored by Urban Geography Specialty Group, Ethnic, 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.
10:40 Yu Zhu*, Fujian Normal University; Liuye Lin, 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 Lavelle, 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.
10:40 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, Neoidealism, Environmentality, and Public Space.
10:20 Jacquelyn R. Chase*, CSU, Chico; Rebekah Funes, CSU, Chico, Hidden Homesteads: Absence 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. Eckman*, Bowling Green State University, Visualizing Human-Environment Interactions Using Animations Created From MODIS Data.
10:40 Mblogowo 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): Yongmee 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; Tijjs 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 Yongmee 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 Gaalaan Mullaney, The Pennsylvania State University; Deborah Scott, Rutgers University
CHAIR(S): Emma Gaalaan Mullaney, The Pennsylvania State University
Panelists: Thomas Gillespie, UCLA; Laura C. Schneider, Rutgers University; Elizabeth S. Barron, Harvard University; Janet Monsen, Univ of California

3282. Neoliberal Redevelopment Governance Post 2010: Trends and Possibilities (Sponsored by Urban Geography Specialty Group, Critical and Sociological 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, The growth machine in troubled times?

3283. Caregiving Research: Recent Geographical Contributions
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; Valerie A. Crooks, PhD, Simon Fraser University; Kelli Stajduhar, PhD, University of Victoria, Exploring the place of language in Canadian home health care.
10:40 Memusha 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
### THURSDAY, APRIL 14 • 10:00 AM - 11:40 AM • 3200

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| 3286.          | Critical space-time geographies II (Sponsored by Space-Time Symposium) | 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) | 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.  
Discussant(s): Linda Hill, University of California, Santa Barbara |

### THURSDAY, APRIL 14 • 11:50 AM - 12:30 PM • 3300

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<td>3306.</td>
<td>Recreation, Tourism, and Sport Specialty Group Business Meeting</td>
<td>606 - Washington State Convention Center, Level 6</td>
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3311.          | Health and Medical Geography Specialty Group Business Meeting        | 611 - Washington State Convention Center, Level 6 |  
3315.          | Disability Specialty Group Business Meeting                          | 615 - Washington State Convention Center, Level 6 |  
3319.          | Sexuality and Space Specialty Group Business Meeting                 | 619 - Washington State Convention Center, Level 6 |  
3335.          | Political Geography Specialty Group Business Meeting                 | 3B - Washington State Convention Center, Level 3 |  
3343.          | Russian, Central Eurasian, and East European Specialty Group         | 212 - Washington State Convention Center, Level 2 |  
3346.          | Canadian Studies Specialty Group Business Meeting                    | 2A - Washington State Convention Center, Level 2 |  
3358.          | History of Geography Specialty Group Business Meeting                | University - Sheraton Hotel, Union Tower, Fourth Floor |  
3361.          | Cartography Specialty Group Business Meeting                         | Ballard - Sheraton Hotel, Pike Tower, Third Floor |  
3372.          | China Specialty Group Business Meeting                               | Metropolitan Ballroom B - Sheraton Hotel, Third Floor |  
3373.          | Geography of Wine Specialty Group Business Meeting                   | Queen Anne - Sheraton Hotel, Union Tower, Third Floor |  
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      | Grand Ballroom C - Sheraton Hotel, Second Floor | INTRODUCTION: Douglas Richardson, AAG Executive Director  
Speaker: Jack Dangermond, President, Esri |
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 Ganjavi*, University of Toronto, Urban from and physical activity of children: the case of Saint-Sacrement and Lariat, 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 Membes.  
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, From Brew-house to Bedroom: Considering historic building redevelopment through an Actor-Network perspective.  
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.  
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. Bed*, Student, Methodological reflections on resistance research in India.  
1:40 Raja 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  
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 DeGroote, 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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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

(Paper 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

1:40 Alexander Hohl*, University of North Carolina at Charlotte; Toma? 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.


Room: 612 - Washington State Convention Center, Level 6

(Paper Session)

ORGANIZER(S): Emma S. Norman, University of British Columbia; Christiina 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-Soevereign Environmental Governance: Politics, Scale and EU Water Policy.

1:00 Afion Clarke-Sather*, University of Colorado, Boulder, Aridity, Agriculture and the Rescaling of Nature in Northwestern China.

1:20 Tom Fletcher*, Bishop's University, Protecting Mempremagog: 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.


Discussant(s): John Bryson, University of Birmingham

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, Hain's adaptation practices to tropical storm hazards between 1850-2010.

3417. Intertitial 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?
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 Christopher's "Envisioning Media Power" (Sponsored by Communication Geography Specialty Group)
Room: 618 - Washington State Convention Center, Level 6
(Paper 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 Christopher, 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
(Paper 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

Wenli Huang*, University of Maryland, College Park; Guoqing Sun, University of Maryland, College Park; Ralph Dubayah, University of Maryland, College Park; Wenjian N., 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; Lauran 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.


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.


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.
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.


Jinyoung Rhee*, University of South Carolina; Jungho 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.


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 VanHom, Calvin College; Deanna van Dijk, Calvin College, Remote Sensing and Geospatial Analysis of Active Lake Michigan Dunes.


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.

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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.


1:40 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, MS*, 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 Gedaloof, 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.
1:40 Jodi N. Axelton*, 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 Specialty Group)
Room: 304 - Washington State Convention Center, Level 3
(Paper Session)
ORGANIZER(S): Mark D. Schwartz, University Of Wisconsin - Milwaukee
CHAIR(S): David A. Padgett, Tennessee State University
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 Angel, 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, PhD.*, 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; Yaping 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 Blicheva, 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.
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/Deafnesses: 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 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 Antinoo*, 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 Blanchette*, 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. Blanchette, 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 Geographical 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; LaDonna G. Knigge, California State University, Chico

CHAIR(S): LaDonna G. Knigge, California State University, Chico


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; Daqinong 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 Leach, 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 Raeymakers*, 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 British Columbia, From Lebanon to Gaza: Testimony, Trauma and Dissent in the Israel Defence Force.

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 Impostion 0.0? Geographers engaging critically with ICT4D rhetoric and practice.
Discussant(s): Chris Benner, University of California Davis


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: 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, University of Western Ontario; Dorothea Kleine, Dr*, Royal Holloway, University of London, The Politics of Aesthetics in Toronto: Opportunities and Challenges for Radical Urban Planning and the Right to the City.

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: 205 - 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 Habitus: 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.

1:40 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.
3445. Tribute to Robin Davidson-Arnott IV: Coastal Systems (Sponsored by Coastal and Marine Specialty Group, Geomorphology Specialty Group)

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 Oilerhead, 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


1:10 Russell Fielding*, University of North Carolina - Chapel Hill, Whaling or Tourism: Contested Ocean Space in the Caribbean.


1:40 James Looney*, University of Kentucky, Animal belongings 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 Faser University; Steve Pile, The Open University
CHAIR(S): Paul T. Kingsbury, Simon Faser 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.


1:40 Deborah Thiens*, 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


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.


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


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.
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 Truede, Macalester College
CHAIR(S): Daniel Truede, 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 Awwunadiogha, 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, Fullbright 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. Slounum*, 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 Awwunadiogha*, 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.


1:40 Ruben-Camilo Lois-Gonzalez*, IDEGA-USC; Jose Somozoa Medina, University of León (Spain); María 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): Khuala Alkaabi
CHAIR(S): Saif Alkaabi


1:00 Mohammed A Algbabani, 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, Investment in the City of Ankara, Turkey.

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*, University of Canterbury, The Urban Heat Island

1:00 Jessica Thompson*, Ball State University, The relationship of agricultural systems, soil erosion, and stream sedimentation: A case study of the Salamonic watershed in NE Indiana.

1:20 Laura Gibso*, Ball State University, The Urban Heat Island Pilot Project: A Look into Chicago's Progress.
1:40 David Massey*, The Ohio State University; Ola Ahlvist, The Ohio State University, Integrating GIS and Massive Multiplayer Online Gaming to explore Human - Environmental Interaction and Culture Change in Archaeological Environments.

Room: Greenwood - Sheraton Hotel, Union Tower, Third Floor (Paper Session)
ORGANIZER(S): Piper Gauk, University Of Massachusetts CHAIR(S): Danlin Yu, Montclair State University
12:40 Jiam 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 Jiam 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 (Panel Session)
ORGANIZER(S): Roman Matousk, Charles University in Prague; Jessica K. Graybill, Colgate University CHAIR(S): Roman Matousk, 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, Columbus Metropolitan State University.

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 industrialization.
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 Metropolitan: A Preliminary Enquiry.
2:00 Carolyn Cartier*, University of Technology, Sydney, State Power in Practice: Urban Development in China and the Spatial Administrative Hierarchy.
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.

2:00 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 Dongwen 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.
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 I  
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  
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 Shamistha Bagchi-Sen*, SUNY-Buffalo; Rajarshi Chakraborty, SUNY-Buffalo; H.R. Rao, SUNY-Buffalo; Shambhu Upadhyaya, SUNY-Buffalo, Aing 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.
THURSDAY, APRIL 14 ● 2:40 PM - 4:20 PM ● 3500

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: 605 - 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, Euri; 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.
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.
3:40 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, Society 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 southwestern 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.


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 Mannozzi, 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
Panelists: Sivanesen Govender, EIS-AFRICA; Ashbindu Singh, United Nations Environment Programme (UNEP); Glenn Hyman, CIAT; France Lamy, Google, Inc; Fernando Echavarria, 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.
4:00 Michael Eric Samers*, University Of Kentucky, The recession has lasted 33 years: 'young ethnic' 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 Olague*, UIC, Mapping medical accessibility for Latinos - it's not about location.
Introducer: Michael L Dorn
Discussant(s): Carla Keirms, 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 Martinho*, 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.
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 Duval†, University of New Mexico, Patterns of produce availability indicate challenges and opportunities for alternative food systems in U.S. cities.
3:00 Amanda Canell*, 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
3520. Ethnic Geography Specialty Group Distinguished Scholar Lecture: Carlos Teixeira (Sponsored by 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
Discussant(s): Carlos Teixeira, University of British Columbia

John Frye*, Department of Geography, Kutztown University; Andrew Benjamin*, Kutztown University Student; John D Frye, Hottest and Guy King, Ph.D.*, California State University, 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.


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 climatedeprediction.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 Flooding.

Melissa S. Bukovsky, Ph.D.*, NCAR/IMAGe; Linda O. Mears, 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.


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 States.

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., Department of Geography, San Francisco State University; 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.
THURSDAY, APRIL 14 ● 2:40 PM - 4:20 PM ● 3500

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.

Siuyan 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, SHUC, 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
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 Kusiliks, 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 Tahirkhel*, 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, 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 Inupiat Ice Cells 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 woodland forests in Mississippi using General Land Office surveys.
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 Apparicio, 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.

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, Ph.D., Georgia State University, A 1900-yr Paleoatempestology 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 Sharon Donnelly*, University of Akron, Viewshed as Landscape in Community Gardens of Northeast Ohio.

3535. Users, Uses, and Value of Remotely Sensed Data and GIS (Sponsored by Geographic Information Science and Systems Specialty Group, Urban Geography Specialty Group, Health and Medical Geography Specialty Group)

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

ORGANIZER(S): Program Committee
CHAIR(S): Kingsley E. Haynes, George Mason University
3:00 Ramanathan Sugumaran*, University of Northern-Iowa; Anna Pasterева, 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.
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 Guillorzet, 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.
3:40 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
3:00 Brent Yarnal*, Penn State; Peter Howe, Penn State; Alex Coletti, SM Resources Corporation, Developing and Testing a Vulnerability Assessment Support System.
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
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
(Paper 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.
3:40 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.
3542. The Dynamic Earth
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. Sauderson*, 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 Rye*, 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, Laged, 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 House, Texas A&M University; Jean Taylor Ellis, University of South Carolina
CHAIR(S): Chris House, Texas A&M University
2:40 Ryan Arnott*, University of Guelph; Gemma Barrett, Texas A&M University; Steffen Ulzhöfer; Chris House, 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, Erosove water levels and beach-dune morphodynamics, Wickaninnish Beach, Pacific Rim National Park Reserve, British Columbia, Canada.
3:20 Michael Bitton*, Louisiana State University, Patrick Heasp, 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; Jacques (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".
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, The Animal Body as Machine.
4:00 Elizabeth Straughan*, Aberystwyth University, The Uncanny in the Beauty Salon.
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3550. Local Government responses to climate change II (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; Damian Pitt, Virginia Tech
CHAIR(S): Alina Congreve, Dr*, University of Reading, Climate change in spatial plans: the English experience.
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.

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 Kurt*, 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.

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 Agada.
3:40 Greg J Marston*, The University of Queensland, The place of 'fringe tenders' 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

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; Nairme Cameron, Algoma University
CHAIR(S): Nairme 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 Parameters 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.
3:10 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 Huffer*, Florida State University, A Mixed Methods Exploration of the Role of Monuments In the Demarcation of Sacred Landscapes and the Reproduction of Sacred Space.
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

2:55 Winston T.L. Chow, Arizona State University; Bolumil M. Svoma, Arizona State University; Anthony J Brazel*, Arizona State University, Analyses of nocturnal temperature cooling rate responses 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
(Paper 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; Hami Pearsall, Clark University; L. Monika Moskal, University of Washington; Kathleen Wolf, University of Washington; Weston Brinkley, Cascade Land Conservancy; Akira Kato; Lee Cerveny, Pacific Northwest Research Station; Kirsten Schwarz, University of California, Davis


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 Shiuh-Shen Chien*, National Taiwan University; Chenglin Hsieh, PhD student, NTU, Taiwan-China Dynamical Interaction - A Perspective of Provincial Delegations.

3566. Critical geopolographies 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 Kopecka, 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 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 Immateral Patrimony: The Excursions like a Conservation Way for Cultural Landscapes.

3:00 Katja Pettinen*, Purdue University; Myrdene Anderson, Purdue University, Mindscapes, 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): Program Committee
CHAIR(S): Catherine Jean Nash; Kath Browne, University of Brighton
2:40 Petra L. Doan*, Florida State University, Liberation Politics, Grainola Neighborhoods, and Gender Dissonance.
3:00 Catherine Jean Nash*, Brock University, The homo hipster and the making of urban space.
3:20 Kath Brown*, 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. McGuire*, 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.

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
(Paper 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
(Paper 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
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  
Discussant(s): Cindi Katz, CUNY Graduate Center

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  
**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.*

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  

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.*

2:00 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, China, *Suburbanization and Time-Space Constraints of Commuters’ Non-Work Activities in China.*
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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, NIRS, NUI Maynooth, ‘An Irish solution to an Irish problem’: city-regional governance, creativity, and digital media in Dublin.


**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.

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 Retios, 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.

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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


**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.


Discussant(s): J. B. Owens, Idaho State University

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 Schlemer, 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 Quodomeine, NYS DOT

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.


Discussant(s): Jesse Ribot, University of Illinois

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.


Discussant(s): Jesse Ribot, University of Illinois
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)misions: 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 DeGroote, University of Northern Iowa
CHAIR(S): Debarchana Ghosh, Kent State University
4:40 Tony H. Grubesic*, Drexel University; William Alex Pridemore, Ph.D., Indiana University, Alcohol Outlets and Assaultive Violence.
5:00 Laura 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.

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.
5:40 Tricia Ruiz*, University of Washington, Multiple geographies of race: linking schools and neighborhoods to school quality and educational outcomes.
3614. High-tech economies: defining and measuring activity (Sponsored by Economic Geography Specialty Group)
Room: 614 - Washington State Convention Center, Level 6
(Paper 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
(Paper 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
(Paper 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 Radzatis, 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 Ebert*, UW-Stevens Point, Photo Mapping Wisconsin Barns.
5:00 Gregory Parent, PhD Student*, University of Florida; Deborah Wojciek, 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 Carames*, 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
5:00 Jordan Graesser*, Oak Ridge National Laboratory; Anil Cheriyavat, Ph.D., Oak Ridge National Laboratory; Eddie Bright, Oak Ridge National Laboratory; Populatino 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."
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.


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 Plateau 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 Lyczak*, 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.


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 Nakalemble*, 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 Vadgune, 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.
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
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.
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 Geography 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 Discusssant(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 Schuten*, Department of Geography, University of Guelph; Ze’ev Gedaof, 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
(Paper 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.
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 Jorgensen*, University of Hawai‘i 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. Antili*, 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): Jennifer Black, University of British Columbia
CHAIR(S): Jessica R Barnes
Discussant(s): Dominic J. Power
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.
5:25 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.

3632. 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; Dmitriy A. Streletskiy, George Washington University
CHAIR(S): Dmitriy 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 Shilkomanov*, 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*, Alaka Ecoscience; Yuri Shur, University of Alaska Fairbanks; Tom Österkamp, University of Alaska Fairbanks; Mikhail Kanovesky, University of Alaska Fairbanks; Tom George, Terra- Terpret, Fairbanks; Andrew Balser, 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.

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 Ching-chin 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 Sylvester, Oak Ridge National Laboratory, Creating a Database for Demographic and Socio-cultural Characteristics.
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, Improving small-area housing unit and population estimation using remote sensing and GIS.
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.
5:25 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.

3635. Intentional introgression of Chinese chestnut (Castanea mollissima) blight resistance into American chestnut (Castanea dentata) for ecological restoration.
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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
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 (Panel 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.
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
## 3641. Water and Humain 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.*  
**5:40 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.*  
**5:40 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. Wyly, 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 Facades Within Keweenaw National Historical Park: The Regional Controversy Over a Local Door.*  
**5:20 Athena Goodefellow*, McMaster University, *Google image & representations of others: Why isn't anyone looking?*.  
**5:40 Michelle Marie Metro-Roland, Ph.D.*, Western Michigan University, *Architexturality: 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.*  
**5:40 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  
**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.*  
**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.*
3647. River Observations, Monitoring, and Management (Sponsored by Geomorphology Specialty Group)

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 Log jams.

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 on Hazelnc Weed, 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 Reinholz*, 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 habits 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 Tiefeldt*, 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 Dedo-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, Condoninium 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, 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,
THURSDAY, APRIL 14 ● 4:40 PM - 6:20 PM ● 3600

"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.


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 Jimin Park*, Korean Land Spatialization Group; Jimin Park, Korean Land Spatialization Group; Kisuung 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 Chungwoon Oh, Prof.*, Namseoul Univ., Integration between GIS and BIM.

4:55 Jimmu 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.


5:10 Woonsup 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 Minho 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


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.
3665. **China's Borderlands (Sponsored by China Specialty Group)**

**Room:** Greenwood - Sheraton Hotel, Union Tower, Third Floor

(Paper Session)

**ORGANIZER(S):** Piper Gauhatz, 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 Contexted 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.


**6:00** Stanley Toops*, Miami University, Development and Demographic Prospects of the Xinjiang Work Forum May 2019.

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 Chinsaw 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

(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 (Hons) 1 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 We 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.

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 (Hons) 1 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 We 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


**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 among the Commodity Chain in Upland Artisanal Alcohols in Northern Vietnam (Lao Cai Province).

**Discussant(s):** Jean Michaud, Université Laval
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 Vandeberg, 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, Mineralological and Chemical Analyses of Kissimmee River Sediment and Soils.

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

3675. 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; Joele 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 Brotem, University of Wisconsin - Madison; Alvin Rentcho, 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
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 Geographical Sciences and Natural Resource Research, CAS, Yuxiao Dang, Institute of Geographical Sciences and Natural Resources Research, CAS, Yan Zhang, Residual 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 Yuxiao 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
(Paper 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 Roope Lecture
Room: Grand Ballroom A - Sheraton Hotel, Second Floor
(Paper Session)
ORGANIZER(S): Joseph Pierce, Clark University; Yoko 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.
THURSDAY, APRIL 14 • 4:40 PM - 6:20 PM • 3600

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 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 Soutthal, University of Portsmouth
CHAIR(S): Karl Grossner, University of California, Santa Barbara
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

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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*