no)boundaries
Interdisciplinary Student Conference 2012

Preliminary Conference Program

March 31, 2012
Deike Building
College of Earth and Mineral Sciences
Pennsylvania State University
About no)Boundaries

no)Boundaries is an annual interdisciplinary conference organized by the graduate students of the Penn State Department of Geography. Dedicated to examining issues of space and place, scale, and dynamic connections between the human and physical realms, this conference provides an opportunity for student scholars (graduate and undergraduate) from across departments, disciplines, and universities to meet, share ideas, and educate one another. The no)Boundaries conference serves as a venue for students to make professional connections, to discover ideas and research in other disciplines that is relevant to their own work, and to broaden their academic interests in a supportive and positive environment.

no)Boundaries 2012 Committee
Raechel Bianchetti
Elaine Guidero
Patrick Hammons
Arielle Hesse
Crista M. Livecchi
Wei Luo
Whitney Smith
Jennifer Titanski
Justin VanderBerg
Seth Wilberding
Amanda Young

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Earth and Environmental Systems Institute, Penn State
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Program at a Glance

9:00 am–1:00 pm  Registration  EMS Museum

9:30 am–11:10 am  Session 1A: Ecological Pattern and Process  2 Deike
9:30 am–11:10 am  Session 1B: Politics of Place  4 Deike

11:10 am–11:20 am  Coffee break  EMS Museum

11:20 am–12:20 pm  Panel: Research Design in Physical Geography and GIScience  22 Deike

12:20 pm–12:50 pm  Lunch  EMS Museum

12:50 pm–1:50 pm  Panel: Political Ecology  22 Deike

1:55 pm–3:15 pm  Session 2A: Urban Dynamics and Change  2 Deike
1:55 pm–3:15 pm  Session 2B: Landscape Perceptions  4 Deike
1:55 pm–3:15 pm  Session 2C: Spatial Patterns and Representations  25 Deike

3:15 pm–3:25 pm  Coffee break  EMS Museum

3:25 pm–4:25 pm  Panel: EDGE Workshop  22 Deike

4:30 pm–5:30 pm  Keynote Address  22 Deike

Posters will be on display throughout the conference in the EMS Museum.

We cordially invite all presenters and attendees to join us at 6:00 pm at Mad Mex for a post-conference social.

Mad Mex is located at 240 South Pugh Street.

Note: Breakfast, a light lunch, and coffee will be provided. Please refrain from bringing food or beverages into the classrooms.
**Paper Session 1A: Ecological Pattern and Process**  
Session Chair: James Metz

9:30 am  Fire and the persistence and decline of montane chaparral in mixed-conifer forests in the southern Cascades, Lassen Volcanic National Park, CA  
Catherine Airey, *The Pennsylvania State University*

9:50 am  Remotely sensing cumulative disturbance effects of carbon and nitrogen cycling: Landscape to regional scale  
Lindsay N. Deel, *West Virginia University*

10:10 am  Dendroclimatic analysis of old-growth conifers in the Lake Tahoe Basin, northern Sierra Nevada mountains, USA  
Evan Lawley, *The Pennsylvania State University*

10:30 am  Spatial patterns of trees in a lower-montane old-growth forest in the southern Cascades, Lassen Volcanic National Park, CA  
James Metz, *The Pennsylvania State University*

10:50 am  Predicting patterns of leaf crop accumulation in Costa Rican premontane cloud forest streams  
Kristyn Shreve, Anthony Vitale, Erika Protos, and Amber Myers, *Kent State University*

**Paper Session 1B: Politics of Place**  
Session Chair: Amanda Young

9:30 am  Landowner coalitions in the Marcellus Shale: A political ecology perspective  
Eleanor Andrews, *The Pennsylvania State University*

9:50 am  Which came first, the president or the cabin?: A dendroarcheological investigation of the James Buchanan Birthplace cabin.  
Amanda B. Young and Stockton Maxwell, *The Pennsylvania State University*

10:10 am  West Africa and the development of the Atlantic slave trade: A closer look at Gorée Island  
Sydney Wheeler, *The Pennsylvania State University*

10:30 am  Target versus price: Improving energy efficiency of industrial enterprises in China  
Kuangyuan Zhang, *The Pennsylvania State University*
Panel: Research Design in Physical Geography and GIScience

Moderators: Elaine Guidero and Whitney Smith
11:20 am–12:20 pm

Catherine Airey, M.S. Candidate
Intercollegiate Graduate Program in Ecology and Department of Geography, The Pennsylvania State University

Wei Luo, Ph.D. Candidate
Department of Geography, The Pennsylvania State University

Alexander Savelyev, Ph.D. Candidate
Department of Geography, The Pennsylvania State University

Posters

EMS Museum

On display for the duration of the conference

Wall painting, wealth and status in Regio VI, Pompeii
Chelsea Gilliam, The Pennsylvania State University

Geography 493: Environmental issues across the Americas
Mallory Henig, The Pennsylvania State University

Enough is enough: The impact of the social movement “Y’en a Marre” on Senegal’s 2012 presidential election
Sydney Wheeler, The Pennsylvania State University
Panel: Political Ecology
Moderators: Seth Wilberding
12:50 pm–1:50 pm

Brian King, Assistant Professor
Department of Geography, The Pennsylvania State University

Kevin St. Martin, Associate Professor
Department of Geography, Rutgers, The State University of New Jersey

Karl Zimmerer, Professor and Department Head
Department of Geography, The Pennsylvania State University

Paper Session 2A: Urban Dynamics and Change
Session Chair: Patrick Hammons

1:55 pm  Urbanization, gentrification, and resistance: The changing role of green space in North Portland
          Patrick Hammons, The Pennsylvania State University

2:15 pm  Paramilitarization of the United States’ police forces
          Sean Kitchen, Kutztown University

2:35 pm  The impact of political instability on FDI, economic and population growth: In the case of Africa and the Middle East
          Asal Nassir, University at Buffalo

2:55 pm  City in literature: Mumbai
          Aparna Parikh, The Pennsylvania State University
Paper Session 2B: Landscape Perceptions
Session Chair: Arielle Hesse

1:55 pm  The ecological melting pot; Or in search of a holistic concept of landscapes
Russell Hedberg, The Pennsylvania State University

2:15 pm  Restoring America’s homeland: Nationalism and the therapeutic home in Josh Fox’s Gasland
Arielle Hesse, The Pennsylvania State University

2:35 pm  Strange events in the landscape: Valuing intangibles in cultural landscapes
Katie Hess-Reichard, The Pennsylvania State University

2:55 pm  Layering place: Haitian and Dominican perceptions of an ordinary landscape
Nicholas Wise, Kent State University

Paper Session 2C: Spatial Patterns and Representation
Session Chair: Raechel A. Bianchetti

1:55 pm  Creating dialogue for visual representation research
Raechel A. Bianchetti, The Pennsylvania State University

2:15 pm  A feathered-edge technique for cartographic presentation of upsampled raster land cover data
Paulo Raposo and Kevin Sparks, The Pennsylvania State University

2:35 pm  A series of un-furtive events: Identifying patterns in spatio-temporal event data using sequence alignment
Sam Stehle, The Pennsylvania State University

2:55 pm  Determining flood return periods using ArcGIS-based hydraulic modeling and observation
Zhihao Wang and Chris S. Renschler, University at Buffalo – The State University of New York (SUNY)
Panel: Practicing Geography: Exploring Career Opportunities 
3:25pm–4:25 pm

Jodi Vender, Ph.D. Candidate, Coordinator of Undergraduate Advisement and Alumni Relations
Department of Geography, The Pennsylvania State University
Whitney Smith, M.S. Candidate
Department of Geography, The Pennsylvania State University

Keynote Address 
4:30 pm–5:30 pm

“Challenging macro-actors and engaging community in marine resource management”
Dr. Kevin St. Martin, Associate Professor
Department of Geography, Rutgers, the State University of New Jersey

About the Keynote Speaker
Kevin St. Martin is an associate professor in the Department of Geography at Rutgers, the State University of New Jersey. He is a human geographer whose work is at the intersection of economic geography, political ecology, and critical applications of GIScience. His research concerns the development and institutionalization of economic and environmental discourse. It emerges from a strong background in both social theory and spatial analysis, and it has been clearly and consistently linked to issues of environmental policy. During his time at Rutgers, he has worked on several well-funded research projects that have in common the regulation and transformation of the marine environment.