Sixty-Eighth Annual Meeting
of the
Southeastern Division of the
Association of American Geographers

Hosted by:

The Hotel Roanoke & Conference Center
Roanoke, Virginia

November 24-26, 2013

SEDAAG Executive Committee
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Chris Badurek , Chair, Appalachian State University
Sharon Cobb, Chair-Elect, University of North Florida
Eric Fournier, Samford University
Grant Hartley, University of Southern Mississippi
Darren Parnell, Salisbury University

World Geography Bowl Committee
Jamison Conley, Chair, West Virginia University
Chris Badurek, Appalachian State University
Tom Bell, Western Kentucky University
Jennifer Collins, University of South Florida
Dawn Drake, Missouri Western State University
Dennis Edgell, University of North Carolina at Pembroke
Ann Fitchett, Western Carolina University
Peggy Gripshover, Western Kentucky University
Katherine Hankins, Georgia State University
Sara Beth Keough, Saginaw Valley State University
Elizabeth Leppman, Independent Scholar
George Longberger, Georgia Perimeter College
Jeffery Neff, Western Carolina University
Kevin Raleigh, University of Cincinnati
Tom Ross, University of North Carolina at Pembroke
Caleb Smith, William Carey College
Chris Smith, Clemson University
Harry Trendell, Kennesaw State University

Program at a Glance

Sunday, November 24, 2013

Field Trip
1:00PM
Roanoke's Community Gardens, led by Jim Campbell, Virginia Tech
(returs at 5PM) $25. (meets first in the Pocahontas Room)

Conference Registration
9:30 am-1:00 pm
3:00 pm-6:00 pm
North Entry

Business Meetings
9:00 am to 11:00 am
Executive Committee
Shenandoah B
Lunch
Shenandoah A
12:00 pm to 4:00 pm
Steering Committee
Shenandoah B

World Geography Bowl Registration
12:00-1:00 pm
Upper Conference Foyer

World Geography Bowl Events
1:00 pm-1:30 pm
Orientation
Crystal Ballroom E
1:30 pm-5:00 pm
Round Robin Competition
Mill Mountain
Buck Mountain
Brush Mountain
Bent Mountain
Crystal Ballroom E
5:00 pm-5:30 pm
Announcement of winning teams
and formation of all-star team
Crystal Ballroom E

Event Organizers: Jamison Conley, Tom Bell, Dawn Drake, Peggy
Gripshover, George Lonberger, Jeffrey Neff, Caleb Smith, Harry Trendell

Moderators: Dawn Drake, Tom Bell, Chris Badurek, Lynn Resler

Judges: Peggy Gripshover, Jeff Neff, Christa Smith, George Lonberger

Official Scorekeeper: Jim Young

Teams and State
WGB Coordinators:

Alabama: Toni Alexander
Florida: Jason Ortegren
Georgia: Tim Hawthorne
Kentucky: Kelly Watson
Mississippi: David Cochran
North Carolina: Jay Lennartson
South Carolina: Jerry Mitchell
Tennessee: Micheline van Riemsdijk
Virginia: Dawn Bowen
West Virginia: Tom Saladyga
SEDAAG Student Dinner - for all students at tables hosted by departments
5:30 – 6:45  Billy’s - downtown across the pedestrian walkway

Poster Session
6:15pm-7:45pm  Graduate and Undergraduate Honors Poster Competitions Roanoke E-H

Conference Opening Reception sponsored by UNC Press
7:00 pm – 9:30 pm  Atrium, Taubmann Museum of Art
Cash Bar with entertainment by New Standard
Introduction to blue grass music of Southwestern Virginia
All galleries open for your viewing

Monday, November 25, 2013

Conference Registration
7:00 am to 1:00 pm  North Entry

Papers, Posters, and Panel Discussions
8:00 am-5:00 pm
Departmental Displays and Posters  Crystal/Roanoke Foyer
Job Fair (ESRI)  Crystal/Roanoke Foyer

8:00am-9:40am
Poster Session: Physical Geography I  Roanoke E-H
Special Paper Session: Economic I: Evolving Geographies of the Global Economy  Buck Mt.
Paper Session: Graduate Student Honors Papers (Masters)  Monroe
Paper Session: Cultural Geography I: Religious Matters  Wilson
Paper Session: Global Political  Washington
Paper Session: Fluvial and Climate  Crystal E
Paper Session: Land Use/Land Cover Change  Shenandoah B

10:00am-11:40am
Poster Session: Human Geography  Roanoke E-H
Special Paper Session: Watershed Processes and Fluvial Geomorphology  Washington
Paper Session: Graduate Student Honors Papers (PhD)  Monroe
Paper Session: Economic II: Global Economic Geography  Buck Mt.
Paper Session: Environment Interactions  Crystal E
Paper Session: Cultural Geography II: Landscape  Wilson
Paper Session: Biogeography: Weather and Climate  Shenandoah B
Paper Session: Power and Justice  Crystal D

Noon-1:00pm – Lunch, and SAGE Lunch Meeting

1:00pm-2:40pm
Poster Session: Physical Geography II  Roanoke E-H
Special Paper Session: Climate and Society Interactions I  Crystal E
Southern Studies Special Paper Session: Memory, Justice and Community  Buck Mt.

Paper Session: Human Geography I  Washington
Paper Session: Impacts of Race  Monroe
Paper Session: Political Ecology  Wilson
Paper Session: GIS as Method  Shenandoah B

3:00pm-5:00pm
Special Panel Discussion: Promoting Gamma Theta Upsilon Crystal D
Special Paper Session: Climate and Society Interactions II  Crystal A-C
Special Panel Session: Involving Undergraduates in Field and Laboratory Research  Washington
Paper Session: Applied GIS and Problem Solving  Shenandoah B
Paper Session: Urban Geography I  Buck Mt.
Paper Session: Perspectives on Human Geography I  Wilson
Paper Session: Economic Geography III  Monroe

World Geography Bowl
5:45pm –7:15pm  Championship Event  Roanoke A-B

World Geography Bowl Chair: Jamison Conley, Chair, West Virginia University
Moderator: Jamison Conley, West Virginia University
Judge: Dawn Drake, Missouri Western State University

Warm-up Round: Student All-Stars vs. Professional Dream Team
Student All-Star Team: Members from Six Preliminary Round Non-finalist Teams
Professional Dream Team:
Eric Sheppard – AAG Past President, UCLA
Doug Gamble – SEDAAG President, UNC Wilmington
Susan Walcott – SEDAAG Vice President, UNC Greensboro
Tim Baird—Virginia Tech
2 at large members of SEDAAG

Championship Round: Top two state teams compete in a single Championship Round, winner takes all. Trophies to the winning team and to the Most Valuable Player.

Honors Banquet
7:30pm-10:00pm  Roanoke C-D
Presiding: Chris Badurek, Honors Committee Chair, Appalachian State University
Presentation of Awards
Honors Address: Eric Sheppard, AAG Past President, UCLA
Closing Remarks: Doug Gamble, President SEDAAG, University of North Carolina at Wilmington

Tuesday, November 26, 2013

(breakfast & continuous break service for food and drink in the Roanoke Foyer 7:30 – noon)

6:30 am—7:50am
Status of Women in Geography Breakfast  Regency Dining Room
### Papers and Panel Discussions

8:00am-9:40am

- **Special Paper Session: The River Road Project: Memory, Slavery, Plantation Museums**
  - Monroe
- **Education Panel Session: A Student’s Guide to Being Mentored in Research and Internships**
  - Washington
- **Paper Session: Urban Geography II**
  - Crystal A-C
- **Paper Session: Housing Issues**
  - Buck Mt
- **Paper Session: Perspectives on Human Geography II**
  - Wilson

### Business Meeting

10:00am-12:00pm

- **Presiding:** Doug Gamble, SEDAAG President, UNC—Wilmington
- **Presentation:** AAG Executive Director Doug Richardson, *An Update on the AAG.*

### Adjournment

Have a safe trip home!

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### 2013 SEDAAG ANNUAL MEETING DETAILED PRESENTATION SCHEDULE

Unless otherwise noted, each paper time slot is 20 minutes long: 15 minutes for the paper presentation, followed by 5 minutes of audience/presenter discussion. Please respect the chairperson’s time cues. Please arrive at the room a little early to get your presentation loaded on the room computer.

#### Sunday: 6:15 pm – 7:45 pm

- **Poster Session: Graduate Honors Poster Competition**
  - Roanoke Ballroom E-H
  - Scott Basford, University of Tennessee, *Internationalization of Norwegian Higher Education: The Effectiveness of the Quota Scheme*
  - Courtney Cooper, Appalachian State University, *Public Perception about Willingness to Pay for Water Conservation in Western North Carolina*
  - Daniel T. Martin, Appalachian State University, *Modeling and Verification of Event-Based Precipitation Data using a TIN Approach*
  - Jonathan Welker, Appalachian State University, *Prediction of Fossil Fuel Point Source Locations in South Africa using Remotely Sensed Atmospheric Data*

- **Poster Session: Undergraduate Honors Competition Posters**
  - Roanoke Ballroom E-H
  - Cory Alden, Georgia College Dept. of History & Geography, *Norovirus Outbreak of Yellowstone National Park, Summer 2013*
  - Sarah A. Bleakney, The University of Tennessee, *Canopy influence on Throughfall in a Transitional Cloud Forest*
  - Ethan Bottone, University of Mary Washington, *Documenting Language Erosion and Preservation Efforts in the Canadian Arctic*
  - Zacariah Cohoon, Georgia College, *North Atlantic Oscillation (NAO) Effects on Central Georgia*
  - Daniel Edgell, Virginia Tech, *The Decline of Carolina Hemlock*
  - Joshua Gelinas, Concord University, *Climate Effects on the Growth of Eastern Hemlock in Cabwaylingo State Forest, West Virginia*
James Germalm-Sami, Concord University, *Shadowed Ground in West Virginia*

Samuel Kane, University of Richmond, *Analysis of Lead in Quercus Alba, Liquidambar Stryaciflua, and Pinus Taeda as a Metric for Pollutant Contributions From Air Transportation*

Logan Knight, Concord University, *The UN Development Agenda: The Shoe That Doesn’t Fit*

Donnie Kirk, Concord University, *Folk Housing in Athens, West Virginia*

Nate Lawrence, Concord University, *Disturbance and Growth Dynamics in a Hemlock-Hardwood Forest on the Central Appalachian Plateau*

Paul Lemieux, University of Tennessee Knoxville, *Development of an Algorithm to Predict Salinity in the Mobile Bay and Mississippi Sound Region*

Nicholas C. Middleton, Eastern Kentucky University, *Reframing Colony Collapse and Honeybee Decline: Environmental Disaster or Socioeconomic Outcome of Pollinator-Dependent Monocultures?*

Daniel J. Mullins, Eastern Kentucky University, *Development of a Remote-Sensing Based Methodology for the Identification and Classification of Kentucky Wetlands*

Mary Ryan, Concord University, *Hemlock Establishment and Vigor in Twin Falls Resort State Park, WV*

Meredith Smith, Concord University, *The Blue Funk? A Look into the Education and Occupation Aspirations of Teens in a Coal Economy*

Spencer Shanholtz, Virginia Tech, *Fine-Scale Analysis of Lyme Disease Emergence in Southwestern Virginia*

Allen Treadway, Concord University, *A Class Divided: Quartering of Urban Space in Beckley, WV*

Matthew Vaughan, Virginia Tech, *Impacts of the Hemlock Woolly Adelgid on Carolina Hemlock Communities in Southwestern Virginia*

Castle Williams, University of Georgia at Athens, *An Investigation of Extreme Wet-Bulb Globe Temperatures Across the Contiguous United States*

Kortney Williams, University of Tennessee Knoxville, *Traveling by Car during the Jim Crow Era*

**Monday: 8:00-5:00 pm**

**Departmental Displays and Posters**

**Job Fair (ESRI)**

**Monday: 8:00 am – 9:40 am**

**Poster Session: Physical Geography I**

**Roanoke Ballroom E-H**

J. Anthony Abbott, Stetson University, *Research and Outdoor Education in a Historic Landscape: Stetson University’s Volusia Sandhill Ecosystem*


Christopher Badurek, Aaron Chapman, Michael Flanagan, and Christopher Jackson-Jordan, Appalachian State University, *Impacts of Exurban Housing Development on Density of Forested Areas of the Southern Appalachians*

Judith Buchino, AMEC Environment & Infrastructure, Inc., *Things Are Seldom What They Seem: A Legislative Approach to Protecting Karst Terrain*

David Chambers, Adam Hager, and Carl Larsen, University of Mary Washington, *A Foundation GIS to Monitor Agriculture Production in Alta Verapaz, Guatemala*

Aaron Chapman, Christopher A. Badurek, and John C. Pine, Appalachian State University, *Application of a Subwatershed Prioritization Index to Support the New River Analytics Consortium*

Savannah Collins, University of Tennessee, *Restoration Ecology and Tree-Ring Dating*

Tina Delahunty, Texas Tech University, *Accuracy of USGS Hydrology Data on Doe Mountain, TN*

Matthew Eastin and Cameron Self, University of North Carolina at Charlotte, *Soundings-Based Prediction of Supercell Motions in Tropical Cyclones*

Haley Feather and Bandana Kar, University of Southern Mississippi, *Site Suitability of Tornado Shelters: A GIS Based Case Study Analysis of Mississippi*

William Funderburk, Gregory A. Carter, and Grant Harley, University of Southern Mississippi, *Forest Stand and Geomorphic Relationships on Siliciclastic, Barrier Islands: Determining Growth Responses of Pinus Elliottii to Hurricanes Camille (1969) and Katrina (2005) on Cat Island MS*

Henri Grissino-Mayer, University of Tennessee, *Dendrochronological Dating of the Historic McKenzie Home, Meigs County, Tennessee, U.S.A.*

Robert Gruba. University of Southern Mississippi, *Vegetative Study of Ecological Communities on Horn Island Using Remote Sensing*

Joanne Halls, University of North Carolina at Wilmington, *Worldview-2, Quickbird and Ikonos Satellite Mapping and Change Assessment of Coastal Environments*
Courtney Hamner, University of North Alabama, *Alabama Landscape Analysis Based on Habitat and Landscape Integrity*

Anna Humphries, University of North Alabama, *Comparison of Geocache Terrain Ratings to Landscape Ruggedness Indices in Alabama*

Maya Hutchins, Appalachian State University, *GIS Analysis of Carbon Dioxide Emissions from Power Plants in the Southern and Central Appalachian Region*

Won Hoi Hwang, Virginia Tech, *Comparing Remote Sensing-based Urban Tree Canopy Assessment Methods on the Virginia Tech Campus*

Xuehan Jing, University of Alabama, *Land Cover and Land Use Change and Its Distribution along the Interstate Highway in Birmingham from 1984 to 2011*

Sarah Jones, University of Tennessee Knoxville, *Stand Dynamics of the Pygmy Forest, El Malpais National Monument, New Mexico, U.S.A.*


Rebecca Lanier and Bandana Kar, University of Southern Mississippi, *Landscan vs. Night Time Imagery: Effectiveness of each Dataset in Risk Assessment*

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**Monday: 8:00 am – 9:40 am**

**Special Paper Session: Economic Geography I: Evolving Geographies of the Global Economy**

*Chair: Ron Kalafsky, University of Tennessee*

8:00 – Sharon C. Cobb, University of North Florida, *Evolutionary Economic Geography in the ‘Offshore’ Global Economy*

8:20 – Ron Kalafsky, University of Tennessee, *Geographically Retooling a Tiger*

8:40 – Dawn M. Drake, Missouri Western State University, *The Evolution of Clusters in the US Farm Machinery Industry*

9:00 – Maja Djorchev, University of Tennessee, *Formation of Wine Clusters as Part of Slovenia’s Attempts at Economic Development within the EU: Looking for New Approaches*

9:20 – William Graves and Jonathan Kozar, UNC-Charlotte, *Do People Still Follow Jobs? Growth and the Narrative of Place*

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**Paper Session: Graduate Student Honors Papers (Masters)**

*Organizer: SEDAAG Honors Committee*

*Chair: Chris Badurek, Appalachian State University*

8:00 – Neil Debbage, University of Georgia, *Urban Heat Island and Urban Dry Island Analysis of the 50 Largest Metropolitan Statistical Areas*

8:20 – Jeffrey French, Appalachian State University, *Analysis of Impacts of Removing TVA’s Fort Loudoun Dam on Upstream Residential Property Values in Eastern Tennessee*

8:40 – Maya G. Hutchins, Appalachian State University, *Analysis of State Level CO$_2$ Emissions from Power Plant Emissions Inventories for the Continental United States*

9:00 – Thomas Patterson, University of North Carolina – Greensboro, *Comparing Morphological Characteristics of North Carolina Longleaf Pine Stands*

9:20 – Minshu Wang, University of Georgia, *A Geographic Knowledge Discovery Approach from the NLCD and DEM to Detect Emergent Herbaceous Wetlands*

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**Paper Session: Cultural Geography I: Religious Matters**

*Chair: Caitlin Finlayson, University of Mary Washington*

8:00 – Neil Conner, University of Tennessee, *Boundaries of Faith: Religion, Identity, and Territoriality*

8:20 – Caitlin Finlayson, University of Mary Washington, *Bodily Performance and Sacralization: Understanding Tai Chi as Transformative*

8:40 – Samuel Miller, the University of Southern Mississippi, *Understanding the Cemetery Landscape of Jefferson Davis County, Mississippi: A Pilot Study*

9:00 – Julia Wood, University of Mary Washington, *Gendered Space and Faith: A Comparison of the Spatial Roles of Women in the Abrahamic Religions within the Context of Modern American Society*

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**Paper Session: Global Political**

*Chair: John Finn, Christopher Newport University*

8:00 – John Finn, Christopher Newport University, *Food Revolution: Changing Agricultural Systems, Environmental Impacts, and Food Cultures in Revolutionary Cuba*


8:40 – Christopher Hollis, University of Tennessee at Chattanooga, *Twenty Years in America: Three Bosniak Communities in the Southeastern United States*
9:00 – Dawn Bowen, University of Mary Washington, *Using a Conservation and Agroecological Model to Train a New Generation of Community Leaders: Maya Women’s Education in Alta Verapaz, Guatemala*

**Paper Session: Fluvial and Climate**

Crystal Ballroom E

Chair: Corene Matyas, University of Florida

8:00 – Kelsey Scheitin, University of Tennessee, *The Maritime Influence on Diurnal Temperature Range in the Chesapeake Bay Area*

8:20 – Corene Matyas, University of Florida, *Associations between the Diurnal Cycle and Rain Field Size after Tropical Cyclone Landfall*

8:40 – Alexandria McCombs, University of South Carolina, *Modeling Incoming Shortwave Radiation using MODIS Cloud Climatology and Oklahoma Mesonet Radiation Observations*

9:00 – David Porinchu, University of Georgia, *Evidence of Abrupt Climate Change in the Central Canadian Arctic during the Early Holocene: Linkages to the North Atlantic*

9:20 – Phillip Schmutz, Louisiana State University, *Influence of Beach Moisture Content on the Evaporation Dynamics at Various Sediment Depths*

**Paper Session: Land Use/Land Cover Change**

Shenandoah B

Chair: Seth Appiah-Opoku, University of Alabama

8:00 – Seth Appiah-Opoku, University of Alabama, Tuscaloosa, *Containing Urban Sprawl in Ghanian Cities: A Case Study of Kumasi*

8:20 – Michael King, East Tennessee State University, *Land Development Possibilities of Selected Properties of McMinn County*

8:40 – Jie Ren, Virginia Polytechnic Institute and State University, *Mapping Marginal Agricultural Land, Southern Iowa, Using Landsat 4 & 5 TM Imagery, 2001-2007*

9:00 – Hannes Gerhardt, University of West Georgia, *The Human Geography of the Appalachian Trail*

9:20 – Stephanie Zick, University of Florida, *Assessment of Tropical Cyclone Moisture Budgets in the North American Regional Reanalysis*

**Monday: 10:00 am – 12:00pm**

**Poster Session: Human Geography**

Roanoke Ballroom E-H

Jennifer Lattea and Christopher Badurek, Appalachian State University, *A Comparative Analysis of Travel Economic Impact on North Carolina’s Blue Ridge Parkway Counties*

Coleman Allums, Angela Halfacre, Courtney Quinn, Furman University, *Spiritual Stewardship: Exploring Farmer Perceptions of Conservation Programs and Practices in the Upcountry of South Carolina*

Dakota Anderson, University of Tennessee Knoxville, *BluePhone App: Helping a University through Emergency Situations*

Robert Brown, Appalachian State University, *The Consecration of Ordinary Space, or “Down on 2nd and Dryades, the Indians Gonna Take ‘Em Down”*

Stephanie Cruse, University of North Alabama, *The Potential Influence of Social Media Engaging Citizens in Local Government in Rural Alabama*

Theodore L. Goude and Ryan R. Crowell, Northwest Missouri State University, *Super-Conferences and the Geography of FBS College Football*

Julia Greer, University of North Carolina Greensboro, *When the Waters Rose: Impacts of Natural Events on Western North Carolina*

Dorothy Ibies, College of William and Mary, *A Multi-Dimensional Assessment & Classification of Urban Parks for the Enhanced Sustainability of Arid Cities*

Hyojin Kim, University of North Carolina at Greensboro, *Impacts of high-speed rail extension in South Korea: Accessibility Disparities?*

Stevie Larson, University of North Carolina at Chapel Hill, *Beyond Good Intentions and Best Interests: Interpreting the Uneven Geographies of Transnational Adoption*

Cynthia Martel, University of North Alabama, *Measuring Environmental Sustainability of New Urbanism Communities in Virginia, Washington and Maryland*

Jerry Mitchell, University of South Carolina, *Undaunted Courage: Creating a Google Lit Trip about the Corps of Discovery*


L. Joe Morgan and Payten Samuels*, Jackson State University, *The Unintended Consequences of Strict Immigration Laws: (RE)evaluating the Impacts of HB-56 Aggregated at the County Level*

Alex Moulton, East Carolina University, *What’s Brewing: Climate Change Perceptions, Impacts and Resilience Among Small Coffee Farmers in Spring Hill, Jamaica*
Kayla Pendergrass, Grant L. Harley, and Nicholas P. Herrmann, University of Southern Mississippi, Using Techniques of Dendrochronology to Reveal Burial Dates for Unmarked Graves of the Former Mississippi Insane Asylum, Jackson, Mississippi, USA

Mark Rochelo, Florida Atlantic University, Spatial and Temporal Urbanization of Palm Beach County Florida

Helen Rosko, Oak Ridge National Laboratories, Geographic Identity of Work: Central Appalachia

Mayra Roman-Rivera, East Carolina University, Preliminary Study on Dune, Beach and Nearshore Bar Interactions: Cape Cod, MA

Kathleen Schroeder, Appalachian State University, The 2012 Bolivian Census: Results and Controversy

Claire Schuch, Mary Espinosa, Aidan Smith, and Brisa Urquieta de Hernandez, University of North Carolina at Charlotte, Engaging Students in Transdisciplinary Health Care Research: Building Research Partnerships and Mentoring for Graduate, Undergraduate and High School Students in Charlotte, North Carolina

Poore Shaina, University of North Carolina at Wilmington, Double Exposure, Vulnerability, and Resilience Among Jamaican Small Farmers

LaQuanda Simpson, University of North Alabama, Mapping Social and Spatial Exclusion Using GIS: Case of Florence, Alabama

Don Zeigler, Old Dominion University, An Atlas of AP Human Geography

Special Paper Session: Watershed Processes and Fluvial Geomorphology Washington Lecture Hall

Organizers and Session Co-Chairs: Lisa Davis, University of Alabama, and Dan Royall, UNC-Greensboro

10:00 – Joanna Mossa, University of Florida, The Changing Channel Geometry of the Atchafalaya River: An Historical Perspective

10:17 – Dan Royall, UNC-Greensboro and Linda Kennedy, Mansfield University of Pennsylvania, Spatial Distribution of Historical Overbank Sedimentation in the Bent Creek Watershed, North Carolina

10:34 – Lisa Davis, University of Alabama, When is a Bench Just a Bench? A Comparison of Alluvial Bench and Floodplain Stratigraphy

10:51 – Nicholas Haney and Lisa Davis, University of Alabama, Hydrodynamic and Hydrologic Controls on In-Channel Bench Formation and Destruction in Piedmont Streams of the Southern US

11:08 – Ryan Vaughn and Lisa Davis, University of Alabama, Hydro-Geomorphological Influences on Plant Patch Density in Bedrock-Shoal Habitat of the Cahaba River, AL

11:25 – Christopher Kaase and John Kupfer, University of South Carolina, Hydrogeomorphic Influences on Sedimentation Patterns in a Southeastern Floodplain Forest

Paper Session: Graduate Student Honors Papers (PhD) Monroe

Organizer: SEDAAG Honors Committee
Chair: Chris Badurek, Appalachian State University

10:00 – Monica A. Dorning, University of North Carolina – Charlotte, From Landowner to Landscape: the Influence of Forest Ecology and Ecological Knowledge on the Management Decisions that Drive Landscape Change

10:20 – Dolores Forbes, Florida Atlantic University, Dis-Aggregating GDP in Florida for Socio-Ecological Research

10:40 – Seth Gustafson, University of Georgia, Political Ecology and Cartographic Expertise in Exurban Southern Appalachia

11:00 – Derek J. Martin, University of Tennessee, Longitudinal Arrangement of Fluvial Wood in a Low-Gradient River System

11:20 – Michael Webb, University of Southern Mississippi, Seeking the Old South: Comparing Foreign and Domestic Expectations of Visitors to Louisiana River Road Plantations

Paper Session: Economic Geography II: Global Economic Geography Buck Mountain

Chair: Susan Walcott, University of North Carolina Greensboro

10:00 – Keith Debbage, University of North Carolina Greensboro, Aerotropolis in Dubai - the Role of Spatial Proximity and Connectivity

10:20 – Harrison Campbell, University of North Carolina Charlotte, Sustained Firm Growth and Regional Income Convergence

10:40 – Michael Pretes, University of North Alabama, Pacific Islands in a Globalized World

11:00 – Susan Walcott, University of North Carolina Greensboro, Chinese Outward Foreign Direct Investment in the Southeast United States

11:20 – Mary Finley-Brook, University of Richmond, Spatial and Scalar Contradictions in Peruvian REDD+ Policy
Paper Session: Environment Interactions  
Crystal Ballroom E

Chair: Tom Crawford, East Carolina University

10:00 – Matthew Eastin, University of North Carolina at Charlotte, *Intra- and Inter-Seasonal Autoregressive Prediction of Dengue Outbreaks Using Local Weather and Regional Climate for a Tropical Environment in Colombia*


10:40 – Kelly Watson, Eastern Kentucky University, *Honeybee Decline and Socioeconomic Outcomes of Pollinator-Dependent Monocultures*

11:00 – Jiaying Wu, University of Georgia, *A Chironomid-based Reconstruction of Late Holocene Climate Change in Southern Costa Rica*

11:20 – Lindsay Cummings, University of North Carolina at Greensboro, *The Ecological Legacy of the Naval Stores Industry at Weymouth Woods, North Carolina*

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Paper Session: Cultural Geography II: Landscape  
Wilson

Chair: Stephen Birdsell, University of North Carolina at Chapel Hill

10:00 – Stephen Birdsell, University of North Carolina at Chapel Hill, *Cultural Pushback and Modern Economic Landscapes*

10:20 – Taylor Williamson, Christopher Newport University, *History Written in Stone: Gender and the Naturalizing Power of Monuments in Hampton Roads, VA*

10:40 – James Tyner, Kent State University, *Violence and the Dialectics of Landscape Memorialization in Cambodia*

11:00 – Thomas Bell, University of Tennessee and Western Kentucky University and Margaret Gripshover, Western Kentucky University, *Unpacking Collective Memories: A Geographic Interpretation of Commemorative Spoons of the 1893 World’s Fair*


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Paper Session: Biogeography, Weather and Climate  
Shenandoah B

Chair: Dean Monette, Florida Atlantic University

10:00 – Dean Monette, Florida Atlantic University, *Resource Competition and Vegetation Community Relationships with Pomacea Paludosa and Pomacea Maculata in Lake Okeechobee, Florida, United States.*

10:20 – Tom Saladyga, Concord University, *Growth Response of Eastern Hemlock to Rapid Climate Warming in Central Appalachia*


11:00 – John Knox, University of Georgia, *Bounce House Injuries: The Role of Weather*

11:20 – Pete Akers, University of Georgia, *An Improved and Extended Paleoclimate Record from Macal Chasm, Belize, Covering the Classic Maya Period*

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Paper Session: Power and Justice  
Crystal Ballroom D

Chair: Ann M. Oberhauser, West Virginia University

10:00 – Melanie Barron, University of Tennessee, *Monsanto in Anniston, Alabama: An Analysis of Corporations, Geography, and Power in the Legal System*

10:20 – Ryan Covington, University of Wisconsin-Milwaukee, *Seeing things: making environmental injustice make sense along the Savannah River*

10:40 – Xiannian Chen, Frank Lafone, Ann M. Oberhauser, and Allyssa Sobey, West Virginia University, *Mapping Gender: (Re)visiting the Status of Women in West Virginia*

11:00 – Jeremy Tasch, Towson University, Philip Steinberg, Durham University, and Hannes Gerhardt, University of West Georgia, *Balancing Appeals to Indigeneity, Nationalism, and Sovereignty: Comparative Perspectives Toward the Arctic Council and Permanent Participant Status Among Indigenous Leadership in Alaska, Greenland, and Russia*

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Monday: 1:00 pm -2:40 pm

Poster Session: Physical Geography II  
Roanoke Ballroom E-H

Scott Lecce, East Carolina University, *Hydraulic Geometry in a North Carolina Piedmont Watershed*

John Lovette, Christina Shintani, Monica Stone, Clay Harris, Dr. Greg Hancock, Dr. Stuart Hamilton, College of William and Mary, *Utilization of High-Resolution LIDAR to Assess Flow Accumulation through Agricultural Riparian Buffers within the Virginia Coastal Plain*


Robert Oliver, Virginia Polytechnic Institute and State University, *Land Conversion in Metropolitan America: A Unique Glimpse of Urbanization Processes across the American Landscape*
Zachary Oyer, East Carolina University, **Assessing Water Utility Infrastructure Vulnerability to Coastal Flooding**

Carl Reese and Michael Ewing, University of Southern Mississippi, and Matt Nolan, University of Alaska, **The Potential Effects of Snowmelt Percolation on Pollen Records from Firn and Glacier Ice**

Maegen Rochner, University of Tennessee, **Dendrogeomorphic Analysis of Debris Slides on Mt. Le Conte, Great Smoky Mountains National Park, Tennessee, U.S.A.**

Elizabeth Schneider, University of Tennessee, **Dendroarchaeology at the Wynnewood State Historic Site, Castalian Springs, Tennessee**

Peter Soule, Appalachian State University, and Paul Knapp, University of North Carolina-Greensboro, **Sesquicentennial Trends in Intrinsic Water-use Efficiency: Are Co-Occurring Ponderosa Pine Outperforming Douglas-Fir in a CO2-Rich World?**

Lauren Stachowiak, University of Tennessee, **Dendrochronological Dating of the Harding Cabin at the Belle Meade Plantation, Davidson County, Tennessee, U.S.A.**

Johnathan Sugg, University of North Carolina at Chapel Hill, **Climate-Glacier Interaction in the Tropical Andes: Field Observations from the Cordillera Vilcanota, Peru**

Bobbie Swinson, Cameron Carlyle, and Jeffrey Colby, Appalachian State University, **Management, Mining, & Analysis of Water Quality Database for the Development of a Water Quality Profile in the Upper South Fork New River Watershed**

Vi Tran and Liem Tran, University of Tennessee Knoxville, **Long-Term Average and Annual Nitrogen Loads of Tennessee River Basin**

Jacob Turner, Roy Stine, and Stacy Curry, University of North Carolina at Greensboro, **Interpreting the Cultural Landscape with Geophysical Remote Sensing, GIS, and Archaeological Methods: Multidisciplinary Studies at Guilford Courthouse National Military Park, Greensboro, North Carolina**

Christopher Underwood, Lincoln Memorial University, **Fire in the Tallgrass Prairie-Eastern Deciduous Forest Ecotone: Utilizing Undergraduate Research as a General Education Teaching Tool**

Elliott Wickham, East Carolina University, **Hydraulic Fracturing and Water Resources: Using Pennsylvania’s Current Conditions to Model North Carolina’s Potential Future**

Yi-Jei Wu and V.A. Thomas, Virginia Polytechnic Institute and State University and R. D. Oliver, Virginia Tech, **Investigating Forest Conversion to Development across Several Scales of Urbanization in the Eastern US**

Luke Wylie and Grant Hartley, University of Southern Mississippi, **Disturbance History of the Mississippi Piney Woods: Implications on the Ecological Effects of Widespread 20th Century Logging**

Fang Zhang, Florida State University, **Social Vulnerability and Hurricane Damage in New York City**

**Monday: 1:00 pm - 2:40 pm**

**Special Paper Session: Climate and Society Interactions I**

Crystal Ballroom E

Organizers and Chairs: Kirsten Lackstrom and Kirstin Dow, University of South Carolina

1:00 – Maggie Kovach, Jessica Suggs, Charles Konrad, University of North Carolina at Chapel Hill, **An Analysis of Fatalities Directly and Indirectly Related to Tropical Cyclones in the United States, 1970-2010**

1:20 – Charles Konrad, Maggie Kovach, Christopher Fuhrmann, University of North Carolina at Chapel Hill, **Trends in Tornado Vulnerability across the United States**

1:40 - Burrell Montz, Thomas Allen, East Carolina University, **Climate Change Impacts on Water Infrastructure: Vulnerability to Sea-Level Rise and Coastal Storm Surges**

2:00 – Kirsten Lackstrom, University of South Carolina, **Local Actors’ Perspectives about the Impacts of Drought on Coastal Resources and Communities**

**Southern Studies Special Paper Session: Memory, Justice and Community**

Buck Mountain

Chair: Derek Alderman, Tyrel G. Moore

Organizers: Derek Alderman, Tyrel G. Moore

1:00 – Jonathan Leib, Old Dominion University and Gerald R. Webster, University of Wyoming, “Lest We Forget”: John Winberry and the Study of Confederate Monuments on the Southern Landscape”

1:20 – Derek Alderman, University of Tennessee, **The Day Wendell Scott “Raced” NASCAR: Hard Driving, Counter Mobility, and the African American Civil Rights Struggle**

1:40 – Joshua Inwood, University of Tennessee, **Where Do We Go From Here? Transportation Justice and the Continuing Struggle for Public Access.**

2:00 – Tyrel Moore and Bill Graves, UNC Charlotte, **Weaving Rural and Urban Communities Together: The Carolina Thread Trail, Regional Heritage and Place-Making.**

**Paper Session: Human Geography I**

Washington Lecture Hall

Chair: L. Joe Morgan

1:00 – David Perkins, University of North Carolina at Greensboro, **Thermal Comfort and Consumer Behavior: Attendance Response at Select Metropolitan Zoos**
1:20 – Luke Fairbanks, Duke University, *Fish, Culture, and Controversy: Relating to Change on the Rural North Carolina Coast*

1:40 – L. Joe Morgan, Mathieu Hopper*, Abigail Jacobs, and Holly Park - Jacksonville State University, *Isolating Social Stress and Associating Crime: A Continued Micro Analysis of Census Data at the Block Level and Primary Crime Data*

2:00 – Jeffrey Cook, University of North Alabama, *Exploratory Spatio-Temporal Analysis of Terrorism by Al-Qaeda in the Islamic Maghreb (AQIM)*

**Paper Session: Impacts of Race**

Chair: Catarina Passidomo, University of Georgia

1:00 - Latoya Eaves, Florida International University, *Spatialities of Racialization in Asheville: Examining the Lives of Black Lesbian Women*

1:20 - Candace Forbes Bright, University of Southern Mississippi, *Beyond Gone with the Wind: Images of Plantations in the Southern United States*

1:40 - Conor Harrison, University of North Carolina, *Extending the ‘White Way’: Electricity and Race in Rocky Mount, NC*

2:00 - Catarina Passidomo, University of Georgia, *Going “Beyond Food”: Confronting Structures of Injustice in Food Systems Research and Praxis*

**Paper Session: Political Ecology**

Chair: Christopher McGinn, North Carolina Central University

1:00 – Jennifer Rice, University of Georgia, *Public Engagement through the Sustained Coproduction of Ecological Knowledge: Lessons from the Coweeta Listening Project*

1:20 – Christopher McGinn, North Carolina Central University, *The Electoral Geography of Provisional Ballots in North Carolina by Precinct: A Study of the 2008 and 2012 Presidential Elections*

1:40 – Mackenzie Coan, Samford University, *An Historic Railroad Town: The Planning Process of Downtown Opelika*

2:00 – Samuel Henkin, Kent State University, *Rethinking the Spatiality of the Cambodian Genocide: Urban Communes in Phnom Penh*

**Paper Session: GIS as Method**

Session Chair: Timothy Mulrooney, North Carolina Central University

1:00 – Georgia De Stoppelaire, Florida Atlantic University, *Object-Based Classification of Wetland Vegetation by Fusing LiDAR and Aerial Photography in Everglades National Park*

1:20 – Christopher Badurek, Appalachian State University, *Analysis of Uncertainty in Carbon Dioxide Point Source Emission Estimates in the Southeastern US*

1:40 – Timothy Mulrooney, North Carolina Central University, *Creating Travel Time Surfaces to Model Food Imbalance in Durham, NC*

2:00 – April Frake, University of North Carolina at Greensboro, *Predictive Modeling of Culex Pipiens Habitats in Forsyth County, North Carolina*

**Special Panel Discussion: Promoting Gamma Theta Upsilon**

Organizer and Chair: Burrell E. Montz, East Carolina University

Panel Members: Burrell E. Montz, East Carolina University, Joann Mossa, University of Florida, Dawn Bowen, University of Mary Washington, Charles Manyara, Radford University

**Special Panel Session: Involving Undergraduates in Field and Laboratory Research**

Washington Lecture Hall

Organizers: Sally P. Horn and Matthew T. Kerr, The University of Tennessee
Chair: Sally P. Horn, The University of Tennessee

Panel Members: Douglas W. Gamble, The University of North Carolina Wilmington, Katherine B. Hanks, Georgia State University, E. Arnold Modlin, Norfolk State University, Grant L. Harley, The University of Southern Mississippi, Christopher A. Underwood, Lincoln Memorial University, Matthew T. Kerr, The University of Tennessee

**Special Paper Session: Climate and Society Interactions II**

Crystal Ballroom E

Organizers and Chairs: Kirsten Lackstrom and Kirstin Dow, University of South Carolina

3:00 – Michael Griffin, Burrell Montz, East Carolina University, *Fresh Water Availability in Coastal North Carolina: An Assessment and Management Plan*

3:20 – Christopher Fuhrmann, Lauren Thie, University of North Carolina at Chapel Hill, *The Impact of Weather and Climate on Airborne Pollen Concentrations and Allergic Disease in Wake County, North Carolina*
3:40 – Edward R Carr, Tshibangu Kalala, University of South Carolina, "Often Accurate, Often Wrong": Climate Services, Rural Livelihoods, and Behavioral Change under Uncertainty in Southern Mali

4:00 – Kirstin Dow, University of South Carolina, A Risk-Based Approach to Assessing Limits to Adaptation

**Paper Session: Applied GIS and Problem Solving**  
Shenandoah B

Session Chair: Christine Mitchell, Florida Atlantic University

3:00 – Christine Mitchell, Florida Atlantic University, **Deconstructing a Discourse of Scarcity: A Case Study of Intersecting Black Bear Habitat and Saw Palmetto Berry Harvesting in South Florida**

3:20 – Jacob Turner, University of North Carolina at Greensboro, **Examining the Geography of the Past Using Geophysical Remote Sensing and GIS: Investigations at House in the Horseshoe, Moore County, North Carolina**

3:40 – Mario Mighty, University of Florida, **Site Suitability Analysis and the Analytic Hierarchy Process: How GIS Analysis can improve the Competitive Advantage of the Jamaican Coffee Industry**

4:00 – Wei Yang, University of Georgia, **The Effect of Extreme Heat during Second Trimester and Maternal Factors on Low Birth Weight in GA, 2000**

4:20 – Ram Alagan, Alabama State University, **Interpreting Social Change Using Multimedia GIS Technology in the Black Belt Region: An Academic Model**

**Paper Session: Urban Geography I**  
Buck Mountain

Chair: Russell Smith, Winston-Salem State University

3:00 – Russell Smith, Winston-Salem State University, **The Fiscal Impact of Annexation Methodology on Municipal Finances**

3:20 – Robert Gifford, University of North Carolina at Greensboro, **Defining Transit-Oriented Development: A Performance Based Approach and Case Study of Denver, Colorado**

3:40 – Yan Li, University of Tennessee, **Assessing Network Survivability of Beijing Subways System**

4:00 – Won Hoi Hwang, Virginia Polytechnic Institute and State University, **Tree Planting Configuration influences Shade on Residential Building Surfaces at Different Latitudes**

4:20 - Sarah Heck, Georgia State University, **The Occupy Wall Street Movement and the Post-Political Condition**

**Paper Session: Perspectives on Human Geography I**  
Wilson

Chair: Dolores Forbes, Florida Atlantic University

3:00 – Catherine Cottrell, University of South Carolina, **Youth Citizenship and Identity in Tallinn, Estonia: Navigating Multiple Discourses of Belonging in a Divided Society**

3:20 – Melissa Currie, University of North Carolina at Charlotte, **The Civil Rights Movement and Historic Preservation**

3:40 – Aretina Hamilton, Ohio University, **Islands of Belonging and Seas of Respectability: The Geographies of Southern Black Gayness**

4:00 – Alex Colucci, Kent State University, **Alienation and (Living-Dead) Labor in American Society**

**Paper Session: Economic Geography III**  
Monroe

Chair: Hilda Kurtz, University of Georgia

3:00 – Richard Vercoe, University of Georgia, **Perspectives on Time and the Role of the State in answering Chile’s “Agrarian Question”: Is the Neo-Liberal State the Greatest Threat to the Sovereignty of Chile’s Peasantry or is it just Time?**

3:20 – Garrett Nelson, University of North Carolina at Charlotte, **Cryptocurrency - The Internet versus the World**

3:40 – Hilda Kurtz, University of Georgia, **Food Sovereignty Activism and the Politics of Scale**

4:00 – L. Joe Morgan and Adam Smart*, Jacksonville State University, **From Caste to Class, India Fortified: The Emergence of a Stratified and Gated Middle Class in India**

4:20 - Mary Harman, Virginia Polytechnic Institute and State University, **Gender and Soil Knowledge: Linking Farmers’ Perceptions of Soils with Fertility Analysis in the Philippines**

**Tuesday: 8:00 am - 9:40 am**

**Special Paper Session: The River Road Project: Memory, Slavery, Plantation Museums**  
Monroe

Organizers: Derek H. Alderman, University of Tennessee  
David L. Butler, The University of Southern Mississippi

Chair: Derek H. Alderman, University of Tennessee
8:00 – David L. Butler, University of Southern Mississippi, *Controlling Culture: The Complex and Messy Relationship between Plantation Owners and the Topic of Slavery*

8:20 – Ruth Bowling and Derek Alderman, The University of Tennessee, *How Plantation Museum Visitors Talk about Slavery: Using Discourse Analysis to Identify Interpretive Communities*

8:40 – Amy Potter, Armstrong Atlantic State University, “This Is How It Was and These Are the Facts”: Docent Agency and Slavery in Louisiana Plantation Tours

9:00 – Stephen Hanna, University of Mary Washington, *From Symbolic Annihilation to Commemorative Surrogation? Reconstructing Oak Alley’s Slave Cabins*

9:20 - Eric Hitch II, Norfolk State University, *Field Research at Tourism Plantation House Museums as an Undergraduate Educational Experience*

**Education Panel Session: A Student’s Guide to Being Mentored in Research and Internships**  Washington Lecture Hall

Organizers: Chris Badurek, Appalachian State & Jennifer Rahn, Samford University
Chair: Jennifer Rahn

Panel Members: Heidi Lannon, Santa Fe College, Joann Mossa, University of Florida, Terri Bliss, ESRI-Charlotte, Jennifer Rahn, Samford University, Chris Badurek, Appalachian State University

**Paper Session: Urban Geography II**  Crystal Ballroom A-C
Chair: Selima Sultan, University of North Carolina Greensboro

8:00 – Maia Call, University of North Carolina at Chapel Hill, *Spatial-Temporal Modeling of Childhood Poverty in the United States*


8:40 – Selima Sultan, University of North Carolina Greensboro, *Whether to Purchase a Campus Parking Pass: A Case Study on University Students’ Decision*

9:00 – Alice Luthy Tym, University of Tennessee Chattanooga, *Big Bucks in Biking: The Economic Impact of Bicycling in Chattanooga, Tennessee*

**Paper Session: Housing Issues**  Buck Mountain
Chair: Madhuri Sharma, University of Tennessee

8:00 - James Dickens, University of Southern Mississippi, *A Housing Suitability Model for Prospective Homebuyers*

8:20 – Joe Weber, University of Alabama, *Women Foreclosed: An Analysis of Housing Loss and Gender in the Deep South*

8:40 – Madhuri Sharma, University of Tennessee, *Race/Ethnicity and Gender in Homeownership and Mortgage Lending Practices in Knoxville, Tennessee, 2008-2011*

9:00 - Toni Alexander and Holly Rachael Reeves, Auburn University, “The Last White Suburb in America”: Retaining and Recapturing the Past in Dauphin Island, Alabama


**Paper Session: Perspectives on Human Geography II**  Wilson
Chair: Timothy Baird, Virginia Polytechnic Institute and State University

8:00 – Craig Laing, University of Tennessee at Chattanooga, *Smoky Mountain Kitsch: Assessing the Development of Gatlinburg, Tennessee’s Tourist Landscape*

8:20 – Timothy Baird, Virginia Polytechnic Institute and State University, *PINK TIME: Moving from Grade-Based to Intrinsic Motivations for Student Learning*

8:40 – Peter Waylen, University of Florida, *Intro Physical Geography: “What’s in your Course Textbook?”*

9:00 – Daniel Cockayne, University of Kentucky, *Managing User Experiences and Expectations in Digital Media: Examining the “Sharing Economy” with a Case Study of CouchSurfing*

9:20 - Leanne Purdum, University of Georgia, *Federal Government as Both Failure and Solution: An Analysis of the “Problem” Presented in Restrictive State Immigration Law in Georgia*
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