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Chair Grant Harley, University of Southern Mississippi

World Geography Bowl Committee

Event Organizers Dawn M. Drake, Tom Bell, Dawn Bowen, Jamison Conley, Dennis Edgell, Peggy Gripshover, George Lonberger, Jeff Neff, Lee Ann Nolan

Moderators Tom Bell, Dawn Bowen, and Paul McDaniel

Judges Jamison Conley, Peggy Gripshover, and Criss Smith

Scorekeepers George Lonberger, Ingrid Luffman, Ronnie Schuman

Master Scorekeeper Lee Ann Nolan

Teams and State WGB Coordinators

Alabama Steven Schultze, University of South Alabama

North Carolina: Chris McGinn, North Carolina Central University

South Carolina Jerry Mitchell University of South Carolina

Tennessee Andrew Joyner, East Tennessee State University

Virginia Joe Nicholas, University of Mary Washington

West Virginia Shimantini Shome, Concord University

Conference Support Provided By



Columbia Convention and Visitors Bureau

Department of **Geography**
UNIVERSITY OF SOUTH CAROLINA



South Eastern Division of the
Association of American Geographers



PROGRAM AT A GLANCE

Sunday, November 20		
8:00 AM - 6:00 PM	Registration and Exhibitor Check-in	Atrium
8:30 AM - Noon	Congaree River Field Trip	Lobby
9:00 - 11:00 AM	Executive Committee Meeting	Palmetto II
11:00 - 11:45 AM	World Geography Bowl Registration	Capital Pre-function
Noon - 4:00 PM	Steering Committee Meeting	Palmetto II
Noon - 12:30 PM	World Geography Bowl Orientation	Capital II
12:30 - 4:00 PM	World Geography Bowl Round Robin Competition (winning team & all-stars announced after the final round)	Capital I, Capital II, Capital III
4:00 - 5:40 PM	Paper and Poster Session I	Carolina ABC, Carolina D, Carolina E, Carolina FGH, Capital IV, Palmetto I
7:30 - 9:30 PM	Opening Reception	Tapp's Arts Center 1644 Main St, Columbia, SC

Monday, November 21		
7:00 AM - 1:00 PM	Registration	Atrium
6:45 - 8:00 AM	Status of Women in Geography Breakfast	Palmetto II
7:00 AM - 5:00 PM	<i>Southeastern Geographer</i> Photo Competition	Atrium
8:00 - 10:00 AM	Paper and Poster Session II	Various rooms
10:15 AM - 12:15 PM	Paper and Poster Session III	Various rooms
12:15 - 1:15 PM	Stand Alone Geographers Lunch	Palmetto II
1:15 - 3:15 PM	Paper and Poster Session IV	Various rooms
3:30 - 5:30 PM	Paper and Poster Session V	Various rooms
5:00 - 6:00 PM	SEDAAG Business Meeting	Capital I
6:00 - 7:15 PM	World Geography Bowl Championship	Capital III and IV
7:30 - 10:00 PM	Honors Banquet and Plenary Address	Carolina Ballroom

Detailed Program

SUNDAY

November 20

8:30 AM - Noon Congaree River Field Trip

Will Graf leads this tour of the physical and human geography of the Congaree River as an exploration of the connection between nature and society in a representative progressive southern city. *Participants should meet in the Marriott lobby by 8:30 AM and dress appropriately for the weather, including comfortable walking shoes.*

11:00 AM – 4:00 PM World Geography Bowl

Check in for teams participating in the Geography Bowl runs from 11:00-11:45 AM, followed by an orientation meeting at noon. These will take place in the Capital Ballroom area. Round robin competition begins at 12:30 PM, with the winning team and All-Stars announced afterwards.

4:00 - 6:00 PM: Paper and Poster Session I.

PAPER SESSION

Carolina ABC

Historical and Cultural Geographies

Chair: Maria Fadiman

- 4:00 ***India and the American Civil War: Globalizing Links in the Mid-Nineteenth Century***
Thomas Frederick Howard, Armstrong State University
- 4:20 ***National Discourses Materialized: Early Settlement and Land Tenure in Perry County, Ohio, 1800-1830*** Ethan Bottone, University of Tennessee & Timothy Anderson, Ohio Univ.
- 4:40 ***“Being Seduced and Moved by the Instigation of the Devil”: State of Virginia Recognition of the Murder of Enslaved People*** E. Arnold Modlin, Jr., Norfolk State Univ.
- 5:00 ***Food, First Born Ceremonies and Globalization in Palau, Micronesia*** Maria Fadiman, Florida Atlantic University
- 5:20 ***Out from the Heartland and Up from the South: The Geography of NCAA Div. II College Athletics*** Theodore L. Goudge, Jonathan W. Harley, Colden M. Hillyer, and Cassidy A. Holtman, Department of Geography, Northwest Missouri State University

PAPER SESSION

Carolina D

Political Geographies

Chair: Daniel McGowin

- 4:00 ***A Spatial Analysis of Polling Places in the City of Mobile, Alabama*** Casey Yaden, University of Wyoming
- 4:20 ***Conflict of development and development of conflict: post war development programs in Sri Lanka*** Ram Alagan & Seela Aladuwaka, Alabama State University
- 4:40 ***De-Villainizing the Villain: Using Popular Geopolitics and Emotional Geographies to Reimagine the Science Fiction Antagonist*** Hannah Gunderman, University of Tennessee-Knoxville
- 5:00 ***Place, Ethnicity and the 2016 Taiwanese General Election*** Daniel McGowin, Jacksonville State University

PAPER SESSION

Carolina E

Environmental Conservation and Sustainability

Chair: Amy Braun

- 4:00 ***Water Policy Sustainability: An Analysis of Texas State Policy Impacts on city Water Policy Sustainability***, Rebecca Brady David & Graham A. Tobin, University of South Florida
- 4:20 ***Challenges of Biodiversity Conservation and Human Welfare in a Rapidly Changing Global Environment*** Manali Baruah, University of South Carolina
- 4:40 ***Hydropower in the Southeast: Going With the Flow or Not?*** Johanna Engstrom & Peter Waylen, University of Florida
- 5:00 ***Producing Sustainable Development: North Carolina's "Blue" Economic Geographies*** Amy Braun, University of North Carolina at Chapel Hill

PAPER SESSION

Carolina FGH

Animals, Humans, and Land Use

Chair: John A. Knox

- 4:00 ***Wildlife Richness and Abundance Variation with Ranch Land Management Patterns in the Pantanal Region of Brazil*** Scott H. Markwith, Florida Atlantic University, Julio de Souza & Rosana da Silva, Universidade Federal de Mato Grosso do Sul, Marcos Rezende, Universidade Estadual do Sudoeste da Bahia, & Rodrigo Jardim, Fazenda Bodoquena
- 4:20 ***Comparing overlay-based suitability techniques to provide a measure of uncertainty in habitat areas for red wolves*** Adam Alsamadisi, University of Tennessee-Knoxville

4:40 ***Designing Spatially Cohesive Nature Reserves with Backup Coverage*** Michael R. Desjardins, Eric Delmelle, & Jing Deng, University of North Carolina at Charlotte

5:00 ***Better Weather Information for Farmers: The One-Third Rule for Estimating Wet-Bulb Temperature in Near-Freezing Conditions*** John A. Knox, University of Georgia, David S. Nevius, University of Wisconsin-Milwaukee, & Pamela N. Knox, University of Georgia

PANEL SESSION

Capital IV

GTU 4 U

Organizers: James Lowry and Burrell Montz

4:00 ***An interactive session to share ideas on how GTU can serve students better and ideas on chapter activities, for both students and faculty,*** James Lowry, Georgia Gwinnett College, & Burrell Montz, East Carolina University

POSTER SESSION

Palmetto I

Graduate Honors

Creation of High Quality Destination Data as Part of a Spatial Interaction Model Used in Food Insecurity Research Richard Madumere, North Carolina Central University

Florida Panther Vehicle Crash Mitigation: Applying Spatial Autocorrelation to Florida's Transportation Network to Prevent Panther Mortality Elizabeth Major, University of North Carolina at Charlotte

Sway the Vote: Strategic Presidential Campaigning in Swing States Jeremy Mobley & Derrick Scott, Florida International University

Scientific Workflow-Driven Automation of Wetland Assessment for the United States: High-Performance Computing for Big Spatial Data Analytics Minrui Zheng, University of North Carolina at Charlotte

Convective Mode of Tennessee Tornado Events Kelly Gassert, University of Tennessee-Knoxville

Effect of DEM Grid Size in Studying Rill Erosion and Rill Morphology Xiaoyu Lu, Yingkui Li, & Robert Washington-Allen, University of Tennessee-Knoxville

Geostatistical Tools to Measure the Distribution of Food Sources in Southeastern North Carolina Mehmaz Khademian, North Carolina Central University

Reporting Back Environmental Exposures: A Case Study of Environmental Health Literacy and Individual Experienced Temperature Among Ground Maintenance Workers Laura Thompson & Margaret Sugg, Appalachian State University, Jennifer Runkle, North Carolina State University, & Christopher Fuhrmann, Mississippi State University

POSTER SESSION

Palmetto I

Undergraduate

Examining the Effect of Gravel Lag on Beach Sediment Transport at Santa Rosa Island Tynon, Briggs, University of West Florida

All Our Teams: The Geography of SEC Fandom and Southern Identity Jacob Cooper, Emory & Henry College

A Viewshed Model to Analyze Community Awareness of Nazi Concentration Camp Activities

Charlotte Ector, University of South Carolina

Commercial Flood Risk: Placing the Professionals in the Puzzle Jeffrey Edwards, East Carolina University

Using GIS to Examine Obesity and Diabetes Rates in Virginia Stephen Grassia, Old Dominion University

Exploring Savannah's Gendered Landscape Luke Henke, Nicole Mitchell, Linnea Ryan, Jamielee Korolovich, & Angelo Romero, Armstrong State University

Improving rainfall estimations through the spatial analysis of tropical cyclone rainfall rates over Puerto Rico using TRMM Michael Heslar, University of Florida

The Wasabi Effect: The Rise of Japanese Cuisine in Bangkok's Foodscape Sarun Junsiri, Concord University

Creating a Community's Heritage Tour: Merging PPGIS and Public History Bertram Melix, Amanda Rees, & Corbin Malynka, Columbus State University

Small Town Law enforcement Return on Investment: A GIS Analysis Anh Nguyen & Francis Koti, University of North Alabama

Challenges and Opportunities for Integration in an Emerging Gateway: A Spatial Analysis of Atlanta's Immigrant Population Christopher Sipes, Kennesaw State University

Massive Waves and Sinking Ships: A Case Study of Media Representation of Refugees Elisa Sperandio, Concord University

Climate Growth Response of Quercus alba in Pipestem State Park, West Virginia Andrew Summers, Radford University

An Examination of Automobile Mortality Rates Based on Prohibition and Income by County in Alabama Coty Welch, Jonathan Fleming, & Greg Gaston, University of North Alabama

Understanding Spatial Parameters for Study Sites in Tree-Ring Science: Divergent Growth Rates of Alpine Larch Trees in Response to Microenvironmental Variability Evan Montpellier, Appalachian State University

"Plagues the Soul": Analyzing Comments from the Guestbook at the Old Slave Mart Museum Jessalyn Westphall, Armstrong State University

7:30 - 9:30 PM

Opening Reception

1644 Main St, Columbia, SC

The opening reception will be held at the Tapp's Arts Center, which is located a short 3 minute walk north on Main St. from the Marriott (<http://www.tappsartscenter.com/>). Drinks and light hors d'oeuvres will be served. In addition to being able to browse the artwork and exhibitions at Tapp's, conference goers who attend the opening reception can enjoy entertainment by members of the Kenny George Band (<http://www.kennygeorgeband.com/>), prominent regional artists whose musical influences include Jason Isbell, American Aquarium, and the Turnpike Troubadours.

Tonight's event is sponsored by the USC Hazards and Vulnerability Research Institute and the USC Department of Geography.

Monday

November 21

8:00 - 10:00: Paper and Poster Session II.

PAPER SESSION

Capital I

Advances in Economic Geographies

Organizer and Chair: Sharon C. Cobb

- 8:00 ***The Evolution of the Agro-Food Economy at the Rural-Urban Fringe*** Dawn Drake, Missouri Western State University
- 8:20 ***High-Growth Firms and Development within the Southern Context*** Ron Kalafsky, University of Tennessee
- 8:40 ***Geographies of Entrepreneurial Ecosystems: Non-Farm Proprietorship Employment by U.S. Metropolitan Area*** Keith Debbage & Shaylee Bowen, University of North Carolina at Greensboro
- 9:00 ***Cost of Living, Income Growth and Spatial Inequality: An Exploratory Analysis***, Harrison (Harry) Campbell, University of North Carolina at Charlotte & Ryan D. James, Department of Geography, Northern Illinois University
- 9:20 ***New Developments for Business Crowdfunding in the South*** Sharon Cobb, University of North Florida
- 9:40 ***The Emergence of 3D Printing: What Determines the Spatial Diffusion of New Technology and Fuels Inventive Activity?*** Jongmin Choi, University of North Carolina at Chapel Hill

PAPER SESSION

Capital II

Reflections on the 2016 U.S. Elections

Organizer and Chair: Gerald R. Webster

- 8:00 ***In Florida Every Ballot Matters: An Analysis on the Impact of Undervotes and Non-Major Party Support in the 2016 Presidential Election***, Nicholas Quinton, Independent Scholar
- 8:20 ***Political Geographical Considerations of the 2016 Elections in the American South*** Jonathan Leib, Old Dominion University
- 8:40 ***The 2016 Presidential Election and Potential Future Changes in the Electoral Vote Landscape*** Gerald R. Webster, University of Wyoming
- 9:00 ***How did Trump do in the Cities?*** Andy Walter, University of West Georgia
- 9:20 ***Discussion***

Coastal Biophysical and Geomorphological Processes

Chair: Phillip Schmutz

- 8:00 ***The Rising Sea: Goodbye Hilton Head Island*** Adam D. Griffith, University of North Carolina at Charlotte, Joseph Staton, University of South Carolina-Beaufort, & Daniel Morgan, Beaufort County Mapping and Geographical Services
- 8:20 ***Visualizing Sea Level Rise to Examine the Nexus of Climate Change and Socio-Economic Security*** Jory Fleming, University of South Carolina and NOAA Office for Coastal Management, Nicholas Schmidt & Lori Cary-Kothera, National Oceanic and Atmospheric Administration
- 8:40 ***Groin Design, Usage, Effectiveness, and Impact Along the Yucatan Coast*** Peter Tereszkiwicz, University of West Florida, & Nathan McKinney, University of Tennessee
- 9:00 ***Space-Time Characterization of Shoreline Change in Coastal Bangladesh*** Thomas Crawford & Munshi Khaledur Rahman, Saint Louis University
- 9:20 ***Utilizing Isotopic Signatures to Assess Beach Surface Moisture Dynamics*** Phillip Schmutz, University of West Florida

Mountain Hydroclimate

Organizer and Chair: L. Baker Perry

- 8:00 ***Precipitation Characteristics in Glacierized Tropical Andean Cordilleras of Peru and Bolivia*** L. Baker Perry, Appalachian State University, Anton Seimon, Appalachian State University & University of Maine, Marcos Andrade, Universidad Mayor de San Andres, Jason L. Endries, Appalachian State University, Fernando Velarde, Universidad Mayor de San Andres, Paul A. Mayewki, University of Maine, Charles Rodda, University of Maine, Sandro Arias, Servicio Nacional de Meteorologia e Hidrologia, Eric J. Burton, Appalachian State University, Ronald Winkelmann, Universidad Mayor de San Andres, Courtney M. Cooper, Appalachian State University & University of Idaho, Guido Mamani, Servicio Nacional de Meteorologia e Hidrologia, Maxwell Rado, Universidad Nacional de San Antonio de Abad de Cusco, & Nilton Montoya, Universidad Nacional de San Antonio de Abad de Cusco
- 8:20 ***ENSO-Precipitation Relationships in the Central Andes*** Evan Montpellier & L. Baker Perry, Appalachian State University, Isabel Moreno & Marcos Andrade, Universidad Mayor de San Andreas, Jason L. Endries, Appalachian State University, Anton Seimon, Appalachian State University and University of Maine, Fernando Velarde, Universidad Mayor de San Andres, Mario Rohrer, Meteodat GmbH, & Christian Huggel, University of Zurich
- 8:40 ***Vertical Structure and Character of Precipitation in the Tropical High Andes of Bolivia and Southern Peru*** . Jason L. Endries & L. Baker Perry, Appalachian State University, Sandra Yuter, North Carolina State University, Anton Seimon, Appalachian State University and

University of Maine, Marcos Andrade, Universidad Mayor de San Andres, Guido Mamani, Universidad Nacional de San Antonio de Abad de Cusco, Marti Bonshoms, Servicio Nacional de Meterologia e Hidrologia, Fernando Velarde, Ronald Winkelmann & Maxwell Cuchills, Universidad Mayor de San Andres, Nilton Montoya, Universidad Nacional de San Antonio de Abad de Cusco, Sandro Arias, Servicio Nacional de Meterologia e Hidrologia

9:00 ***Synoptic Patterns Associated with Heavy Snowfall Events on the Quelccaya Icecap of Peru*** Eric J. Burton & L. Baker Perry, Appalachian State University, Anton Seimon, Appalachian State University and University of Maine, Jason Endries, Appalachian State University, Sandro Arias, Servicio Nacional de Meterologia e Hidrologia, Maxwell Rado, & Nilton Montoya, Universidad Nacional de San Antonio de Abad de Cusco

9:20 ***Disentangling the Spatiotemporal Complexity of Synoptic and Orographic Precipitation Patterns in the Southeastern U.S. with a Self-Organizing Map*** Jonathan W. Sugg & Charles E. Konrad II, University of North Carolina at Chapel Hill

PANEL SESSION

Carolina ABC

Climate Change, Food Security, and Geospatial Intelligence: Expanding the Discussion of a Transdisciplinary Collaboration Environment in Southeastern U.S.

Organizer and Chair: Camelia M. Kantor

Panelists Camelia M. Kantor, Clafin University, Darryl Murdock, U.S. Geospatial Intelligence Foundation, Amnon Levi, USDA-Agricultural Research Service, Camelia C. Knapp, University of South Carolina, David White, Clemson University, Edward H. Davis, Emory & Henry College

PAPER SESSION

Carolina E

Climate and Society Interactions I

Organizer: Kirsten Lackstrom and Ashley Ward

Chair: Kirsten Lackstrom

8:00 ***Challenges and Frontiers in Climate Services: Lessons from NOAA's Regional Integrated Sciences and Assessments Program*** Kirstin Dow & Kirsten Lackstrom, University of South Carolina

8:20 ***Individual Experienced Heat Exposure among Grounds Management Workers across Three Geographic Regions*** Maggie M. Sugg, Appalachian State University, Jennifer Runkle, North Carolina State University, Christopher Furhmann, Mississippi State University, & Scott Stevens, North Carolina State University

8:40 ***The Heat-Health Vulnerability Tool: Incorporating Community Stakeholder Feedback into Tool Development*** Ashley Ward & Charles Konrad, University of North Carolina At Chapel Hill, & Maggie Sugg, Appalachian State University

9:00 ***What Can Citizen Scientists Tell Us about Drought Conditions and Impacts? Local Perspectives on Drought Onset, Intensification, and Recovery*** Kirsten Lackstrom, Amanda Brennan, and Kirstin Dow, University of South Carolina

Applications of Geospatial Techniques and Technologies

Chair: Alexander Hohl

- 8:00 ***Patterns of Land Cover Changes at Mt. Kasigau***, Njoroge Gathongo & Liem Tran, University of Tennessee-Knoxville
- 8:20 ***Open Land-Use Map: A Land Use Mapping Strategy for Southeast U.S. Coastal Plain and Piedmont***, Di Yang, Mehmet Ozdez, Audrey Smith, & Michael Binford, Univ. of Florida
- 8:40 ***Radar Toolkit for ArcGIS – Bringing Easy Radar Data Processing to Geographers*** Jingyin Tang & Corene Matyas, University of Florida
- 9:00 ***Representing North Carolina's Hidden History With Geophysical Remote Sensing and Cartography*** Jacob Turner & Elisabeth Nelson, University of North Carolina at Greensboro
- 9:20 ***A High Performance Spatiotemporal Query Analytical Framework for Large-scale Climate Data Analysis*** Zhenlong Li, Univ. of South Carolina, Qunying Huang, Univ. of Wisconsin-Madison, Gregory J. Carbone, Univ. of South Carolina, & Fei Hu, George Mason Univ.
- 9:40 ***Spatiotemporal Domain Decomposition and Indexing for Discovery of Disease Patterns Using Parallel Computing*** Alexander Hohl, Eric Delmelle, & Wenwu Tang, University of North Carolina at Charlotte, & Irene Casas, Louisiana Tech University

Human-Environment

- Mapping and Modeling Stormwater Sewer Infrastructure in Radford, VA*** Benjamin Allamong, Radford University
- Geospatial Modeling of Flooding Threats to Coastal Community Water Infrastructure*** Tom Allen, Old Dominion University, Tom Crawford, St. Louis University, Burrell Montz, East Carolina University
- The Missing Link: Watershed Partnerships as Effective Drivers for Watershed Restoration in TN*** Jana Archer & Ingrid Luffman, East Tennessee State University
- Irrigation and Certificate of Use Compliance in the Wiregrass Region of Alabama*** Nick Barbre & Pt Chaney, Auburn University
- Money Goes Where Stormwater Flows – Reconceptualizing the Prioritization of Stormwater Infrastructure Rehabilitation on Seabrook Island, SC*** Adam Ereth, University of South Carolina
- Greenways as a Resilience Dividend Provider: An Ecological Wisdom Inspired Perspective*** Rhonda French and Tink Moore, University of North Carolina at Charlotte
- Mapping Scotland: Experiments in Eco-Philology*** Michael Gavin, University of South Carolina, & Eric Gidal, University of Iowa
- Hazard Mitigation Planning Meets Higher Education*** Joseph Harris, Louisiana State University, T. Andrew Joyner, William Tollefson, & Andrew Worley, East Tennessee State University

Social and Physical Vulnerability to Flood Hazards in Birmingham, AL Mohammad Khalid Hossain & Philip Chaney, Auburn University

Long-Term Monitoring and Assessment of Recreation Resources, Acadia National Park Min-Kook Kim & Richard Gage, Marshall University

Riverflow and Riparian Vegetation Responses of Dam Construction: Case Studies from Colorado River in TX, and Suwannee River, FL Dinuke Munasinghe & Sagy Cohen, Univ. of Alabama

Land Use and Land Cover Change in a National Park Gateway: Implications for Mountain Sustainability Lynn Resler, Yang Shao, & James Campbell, Virginia Tech

Factors Influencing Economic Loss from Inland Tropical Cyclones in the Southeastern United States Shaikh Abdullah Al Rifat, University of Alabama

Humans, Climate, and Wildfire: An Integrated, Quantitative Approach to Describing the 'Fire Regime' Tom Saladyga, Concord University

Exploring Resilience: Applying the Pressure Release Model to Utila, Honduras Megan Warren, University of Memphis

Examining the Relationship between Socioeconomic Factors and Drinking Water Quality: Mapping Areas of Concern for Eastern Palm Beach County, FL Meagan Weisner, Florida Atlantic University

10:00 – 10:15 AM: Coffee and Refreshments Break

Enjoy refreshments during this break, which is sponsored in part by the USC Department of Geography

10:15 - 12:15: Paper and Poster Session III.

PAPER SESSION

Capital II

Urban Spaces and Spatialities

Chair: Olivia Williams

10:15 ***County-scale Analyses of Racial/Ethnic Diversity and Segregation in USA, 2000-2014***
Madhuri Sharma, University of Tennessee-Knoxville

10:35 ***The Methodological Utility of Mortgage Data in Studies of Segregation and Neighborhood Change: Case Study in Charlotte, North Carolina*** Elizabeth Morrell,
University of North Carolina at Charlotte

10:55 ***What is the Complexion of Contemporary Gentrification? A Case Study of Charlotte, NC***
Daniel Yonto & Jean-Claude Thill, University of North Carolina at Charlotte

11:15 ***Rapid Urbanization and Its Implication on Spatial Accessibility to Healthcare in Ghana: A Case of Kumasi Metropolitan Areas*** Filberto Asare-Akuffo, Richard Twumasi-Boakye, & Mark Horner, Florida State University

- 11:35 ***The Nature of Neighborhoods: Stability and Change in Atlanta's Neighborhood Geographies*** Taylor Shelton, University of Kentucky, & Ate Poorthuis, Singapore University of Technology and Design
- 11:55 ***Community Control of Neighborhood Development: The Case of a Community Land Trust in Saint Paul, MN*** Olivia Williams, Florida State University

PAPER SESSION

Capital FGH

Geographies of Race

Chair: Amy Potter

- 10:15 ***"Wade in the Water Children": Racial Tensions on Tybee Island, Georgia from Civil Rights to Orange Crush*** Amy Potter & Jeffery R. Finney, Armstrong State University
- 10:35 ***Removing White Confederate Monuments: The Work of Remembrance Not Reverence in New Orleans's Cultural Landscape*** Rebecca Sheehan, Oklahoma State University, & Jennifer Speights-Binet, Samford University
- 10:55 ***Was Tulsa's Brady Street Really Renamed? Critical Toponymy and the Compromising of Restorative Memory-Work*** Jordan Brasher, University of Tennessee
- 11:15 ***Categorizing Neo-Confederate Groups*** Rachael Cofield & Douglas Allen, Florida State Univ.
- 11:35 ***Order or Chaos: The Firebombings in Columbus, GA, 1971*** Mark J. Sciuchetti Jr., Florida State University, & Marjorie Jerez, independent scholar
- 11:55 ***The Struggle is Real: A Drive through in Alabama's Civil Rights Corridor*** Robert White & Ram Alagan, Alabama State University

PAPER SESSION

Capital IV

Geographies of Tourism

Chair: Dawn S. Bowen

- 10:15 ***Preserving a Livelihood: Chesapeake Watermen and Heritage Tourism*** Colin B. Cate, University of Mary Washington
- 10:35 ***Barbeque Tourism, Civil Rights, and the Cult of the Pig*** Derek H. Alderman & Janna Caspersen, University of Tennessee
- 10:55 ***Se Habla Venezolano: Conducting Tourism Resource Audits across Physical and Human Landscapes*** Larry Kleitches, Racquel Downing, Quintalya Eaden, & Mariana Manrique, Eman Seid, Jasmine Shine, Kayla Shy, Ladeja Slaughter, & Samantha Duso, Georgia State University
- 11:15 ***Unmapping Rosedale Plantation: Expanding the Boundaries of Historical Interpretation*** Ronald L. Schumann III, University of North Texas

11:35 ***At the Edge of the Continent: Isolation and Heritage Tourism at Battle Harbour, Labrador*** Dawn S. Bowen, University of Mary Washington

PAPER SESSION

Capital I

Weather and Climate I

Chair: David Keellings

10:15 ***Spatio-Temporal Variability of Rainfall Over Coastal Areas of Bangladesh During the Time Period 1980-2014*** Yasin Wahid Rabby, University of Tennessee-Knoxville, & Abdur Rob, University of Dhaka

10:35 ***A Climatology of Atmospheric River Interactions with the Southeastern United States Coastline*** Neil Debbage, Paul Miller, Shaina Poore, Kaitlin Morano, Thomas L. Mote, & J. Marshall Shepherd, University of Georgia

10:55 ***Evaluating Diurnal Aspects of Seasonal Climate Change*** Michael Allen, Old Dominion University

11:15 ***On the Role of the Saharan Air Layer in the 2015 Puerto Rico Drought*** Thomas L. Mote, Univ. of Georgia, Craig Ramseyer, Salisbury Univ., & Paul Miller, Univ. of Georgia

11:35 ***Changes in the Spatial Nature of Heat Waves Over North America*** David Keellings, University of Alabama, & Erin Bunting, U.S. Geological Survey

PAPER SESSION

Carolina D

Climate and Society Interactions II

Organizer: Kirsten Lackstrom and Ashley Ward

Chair: Ashley Ward

10:15 ***Heavy Precipitation, Floods, and Historical Climatology of the Southeast United States*** Cary J. Mock, University of South Carolina

10:35 ***Assessment of Storm Surge and Structural Damage on San Salvador Island, Bahamas, Associated with Hurricane Joaquin (2015)*** Chris Fuhrmann, John Rodgers, & Kim Wood, Mississippi State University

10:55 ***How Extreme Was the October 2015 Precipitation Even in South Carolina?*** Peng Gao, Greg J. Carbone, and Junyu Lu, University of South Carolina

11:15 ***Detrending Crop Yield Data for Spatial Visualization of Drought Impacts in the United States, 1895-2014*** Junyu Lu, Gregory J. Carbone, Peng Gao, University of South Carolina

Remote Sensing of Coastal Environments in the U.S. Southeast: Past, Present, and Future

Organizer: Cuizhen (Susan) Wang & Marguerite Madden

Chair: Cuizhen (Susan) Wang

- 10:15 ***Multi-Source Remote Sensing for Salt Marsh Mapping in the North Inlet, SC*** Cuizhen (Susan) Wang, University of South Carolina
- 10:35 ***Mapping Past Salt Marsh Dieback in South Carolina's North Inlet-Winyah Bay National Estuarine Research Reserve Using Remote Sensing*** Gwen Miller, James T. Morris, & Cuizhen (Susan) Wang, University of South Carolina
- 10:55 ***Analyzing MODIS Derived Tidal Wetland Phenology Using TIMESAT*** Shuvankar Ghosh & Deepak Mishra, University of Georgia
- 11:15 ***LIDAR Detection of Microtopographic Features in a Forested Landscape with Low Relief: Implications for Amphibian Breeding*** Nancy K. O'Hare, University of Georgia
- 11:35 ***Unmanned Aerial Systems (UAS) and 3D visualization for Monitoring Natural and Cultural Resources*** Marguerite Madden & Thomas Jordan, University of Georgia

Graduate Honors Papers--PhD

Organizer: SEDAAG Honors Committee

Chair: Grant L. Harley

- 10:15 ***Longleaf Pine Masting, Northern Bobwhite Quail, and Tick-Borne Diseases in the Southeastern United States*** Thomas Patterson, University of North Carolina at Greensboro
- 10:35 ***Exploring Urban Deprivation Spatial Patterns in Seoul: Using Synthetic Deprivation Index by AHP*** Heewon Chea, University of Tennessee-Knoxville
- 10:55 ***Crops of Crafts? Changes in Land Use in the Imbabura Valley of Ecuador*** Chris Hair, University of Southern Mississippi
- 11:15 ***Assessing Sea Defense Systems as an Adaptation to Climate Change through the Perceptions of Multiple Stakeholders***, Kwame Owusu-Daaku, University of South Carolina
- 11:35 ***A Spatial and Synoptic Climatology of Weakly Forced Thunderstorms in the Southeast United States***, Paul Miller & Thomas Mote, University of Georgia
- 11:55 ***Qualitative Research Methods and Challenges: The Parisian Punk Underground*** Tyler Sonnichsen, University of Tennessee-Knoxville

Human Geography

Northern Mexico's Folk Houses: Old World Origins and Ecological Similarities Scott Brown, Francis Marion University

A Geographical Analysis of Salem's Maritime Trade to the South China Sea: 1785–1815 Dave Doran, Kennesaw State University

The Shift From Rural to Urban: The Lure of China's Most Urbanized Regions Jonathan German, University of Tennessee-Knoxville

The Uncle Remus Highway: An Exploration of Race, Tourism and Memorialization Margret Gripsover, Western Kentucky University, & Thomas Bell, University of Tennessee

Recreation Resource Impact Analysis, Cranberry Glades Botanical Area, Monongahela National Forest Min-Kook Kim, Marshall University

City Parks of Mobile, Alabama Regina Kirkland, University of South Alabama

Recruitment and Retention Challenges of Students from Under-Represented Backgrounds into Geosciences Heidi Lannon, Santa Fe College

Community Geography Karina Livingston, Florida International University

An Assessment of GIS Data Used in the Study of Food Deserts Timothy Mulrooney, Chris McGinn, Byron Ifediora, & Richard Madumere, North Carolina Central University

Improving Geocoding Accuracy of Private Water Wells in Gaston County, NC Using a Context-Based Approach Claudio Owusu, Eric Delmelle, Wenwu Tang, & Yu Lang, UNC-Charlotte

Youth Participatory Action Research on the West Boulevard Corridor James Pinkston, UNC-Charlotte

Creating a Diverse Program?: Reflections from a Community Geography Amanda Rees, Columbus State University

Close-Range Photogrammetry: Comparing Two Use Cases for Cultural Landscapes Jesse Rouse, University of North Carolina at Pembroke, & Youyi Jiang, Xi'an University of Science and Technology

City Inquirer: Using the Cities of America Series to Teach Geographic Inquiry Jamie Strickland, University of North Carolina at Charlotte

Integrating Social and Transportation Aspects of Evacuation with GIS: Hillsborough and Pinellas County of Florida Shakhawat Tanim & Graham Tobin, University of South Florida

Migration and Germany: How Public Memory and History Play a Significant Role in Migration Policy and Perspective Mimi Thomas, University of Tennessee-Knoxville

Spatial Analysis of Southern Micropolitan Places with Craft Breweries Casey Vinson & Lisa Keys-Mathews, University of North Alabama

Telling the Rice Kingdom Story: developing an immersive virtual heritage platform for historic Hampton Plantation, Charleston County, SC Susan Bergeron, Coastal Carolina University

Now it's my Backyard: An Alternative Scenario of NIMBY at the Urban-Rural Fringe of New Hanover County, North Carolina David Jensen & Tim Baird, Virginia Polytechnic Institute and State University, & Gary Blank, North Carolina State University

Characteristics of J. Warren Nystrom Award Competitors and Winners Carol F. Sawyer & Frances C. Mujica, University of South Alabama, & David R. Butler, Texas State University.

Smart City: Urban Transformation in 21st Century Maryam Khabazi, UNC-Charlotte

12:15-1:15 PM

LUNCH

Enjoy lunch on your own at one of the many nearby options in downtown Columbia! If you want recommendations, feel free to ask any of the faculty or students from the USC Geography Department.

1:15 - 3:15: Paper and Poster Session IV.

PAPER SESSION

Capital I

SEDAAG Special Session: The Geography of the Southern Historical Imagination

Organizer: Hilda E. Kurtz & Deepak Mishra

Chair: Hilda E. Kurtz

- 1:15 ***Ethnic Irish Neighborhoods in Mid-nineteenth Century Savannah, Georgia: A Quantitative Cultural Analysis*** Sarah Ryniker, Georgia Southern University
- 1:35 ***“The Land is our Family”: Historical Narratives and Heirs’ Property in Coastal South Carolina*** Brian Grabbatin, Midlands Technical College
- 1:55 ***Race and Rebellion: Virginia’s Antebellum African American Oyster Fishery in a Western Atlantic Perspective*** Samuel Hanes, University of Maine
- 2:15 ***They Didn’t Know Any Better: Exceptions as the Rule*** Richard H. Schein, University of Kentucky
- 2:35 ***Discussant***, Peter Coclanis, University of North Carolina

PAPER SESSION

Carolina D

Geographies of Health and Safety

Chair: Dajun Dai

- 1:15 ***Development of a GIS Database in Support of the Assessment and Evaluation of Food Security*** Byron Ifediora, North Carolina Central University
- 1:35 ***Using Maxent to Predict E. coli Impairment in Streams: Classification Performance and Sensitivity Analysis*** Dennis Gilfillan & Timothy Andrew Joyner, East Tennessee State Univ.

- 1:55 **Geospatial Analysis of Road Traffic Accidents in Bangladesh** Munshi Khaledur Rahman & Thomas Crawford, Saint Louis University, & Thomas Schmidlin, Kent State University
- 2:15 **Perceived Importance and Objective Measures of Built Environment Walkability: A Campus Study** Xuan Zhang & Lan Mu, University of Georgia
- 2:35 **Spatial Diffusion of the 1918-1919 Spanish Flu Through World War I Military Troops** Danielle Short, Korine Kolivras, Yang Shao, & Kaja Abbas, Virginia Tech
- 2:55 **Radon Screening Activities in an Urban Environment** Dajun Dai, Georgia State University

PAPER SESSION

Capital II

Stuck in the Mud: When Commodities Come to a Halt

Organizer and Chair: Conor Harrison

- 1:15 **Siloed: Uncovering the Political Infrastructure of Wheat in Egypt** Jessica Barnes, University of South Carolina
- 1:35 **Inferred Ignorance: The Cultural Politics of Nature in Ecuador's Mining Industry** David Kneas, University of South Carolina
- 1:55 **The Shadow Geography of Aluminum Production** Pavithra Vasudevan, University of North Carolina at Chapel Hill
- 2:15 **Getting the Price Right: Geographies of Finance and Risk in Caribbean Renewable Energy Transitions** Conor Harrison, University of South Carolina

PAPER SESSION

Capital III

Making Claims, Questioning Categories

Chair: Solange Munoz

- 1:15 **Research Ethics and Political Ecology** Caroline Parks, University of Florida
- 1:35 **The Environmental Kuznets Curve: A Disinformation Campaign** Kevin P. Martyn, University of South Florida
- 1:55 **Empathy Deficiencies and the Pernicious Trap of Scalar Disregard**, Stephen S. Birdsall, University of North Carolina at Chapel Hill
- 2:15 **Urban Precarity and Eviction: There Is No "Right to the City"** Solange Munoz, University of Tennessee
- 2:35 **What It Means To Become 'More Resilient' in Broward County, Florida: An Analysis of Local Resilience-Building Approaches** Hannah Torres & Kamal Alsharif, University of South Florida

Floods and Floodplains

Organizers: Joann Mossa and Sarah Praskievicz

Chair: Joann Mossa

- 1:15 ***Analysis of the June 23, 2016 West Virginia Flood Event From Meteorological, Hydrological, and Geomorphic Perspectives and the Role of Societal Drivers*** Mary M. Buffington & John A. Knox, University of Georgia
- 1:35 ***Towards High-Resolution, Real-Time Flood-Inundation Forecasts for the Continental United States: Results from the National Water Center Summer Institute*** Sarah Praskievicz & Sagy Cohen, University of Alabama, David Maidement, University of Texas, & Ed Clark, National Water Center
- 1:55 ***Flood Non-Stationarity in Urban Basins: Gills and Rocky Branch Creeks, Columbia, SC*** L. Allan James & Chen-Ling Hung, University of South Carolina
- 2:15 ***Slough Sill Mapping Following a Large Flood, Apalachicola River, Florida*** Joann Mossa & Yin-Hsuen, University of Florida, Scott Walls, Walls Land and Water, & Matt Kondolf, University of California-Berkeley
- 2:35 ***The Biohydrogeomorphology of Regenerating Clearcuts in a Floodplain Forest on the Atlantic Coastal Plain*** Christopher Kaase, University of South Carolina
- 2:55 ***Local Levees: Shifting Vulnerability in the Floodplain of Yuba County California*** Nicole S. Hutton, Old Dominion University, Graham A. Tobin, University of South Florida, & Burrell E. Montz, East Carolina University

Applications in Dendrochronology

Organizers: Henri D. Grissino-Mayer & Maegen L. Rochner

Chair: Maegen L. Rochner

- 1:15 ***Tree-Ring Reconstructions of Streamflow in the Eastern U.S.*** R. Stockton Maxwell, Radford University, Grant L. Harley, Univ. of Southern Mississippi, Justin T. Maxwell, Indiana University, Shelley A. Rayback, Univ. of Vermont, Neil Pederson & Edward R. Cook, Columbia Univ., David J. Barclay, SUNY Courtland, W. Li, Duke Univ. & J.A. Rayburn, SUNY New Palz
- 1:35 ***A Multi-Millennial Perspective of Drought Variability for the American Southwest using Rocky Mountain Juniper (*Juniperus scopulorum* Sarg.)*** Joshua S. Oliver and Grant L. Harley, Univ. of Southern Mississippi, & Henri Grissino-Mayer, Univ. of Tennessee-Knoxville
- 1:55 ***First Dendrochronological Dating of Dugout Canoes in North America*** Henri D. Grissino-Mayer & Maegen L. Rochner, University of Tennessee-Knoxville

- 2:15 ***A Multi-Centennial Perspective of Snowpack Variability for the Sangre de Cristo Mountains, New Mexico, USA*** Michael P. Thornton & Grant L. Harley, University of Southern Mississippi, & Justin T. Maxwell, Indiana University
- 2:35 ***Dendrochronological Dating of the Warner House and Barn (20LV334), Livingston County, Michigan, USA*** Maegen Rochner, Hudson Kelley, Christopher Wilson, & Henri Grissino-Mayer, University of Tennessee-Knoxville
- 2:55 ***Dendrochronological, Historic, and Aesthetic Value of Old Growth Trees on Southern University Campuses***, Keith Watkins, University of North Carolina at Greensboro (GRADUATE HONORS PAPER--MASTERS)

PAPER SESSION

Carolina E

Studies in the Communication and Perception of Weather and Climate

Chair: Kathleen Sherman-Morris

- 1:15 ***Access, Trust, and Preference: Tornado Warning Communication in Rural Communities***
Zebulon C. Wallace, University of Memphis
- 1:35 ***Communicating Weather Information through Social Media-ology: An Assessment of the National Weather Service's Social Media Content and Account Analytics*** Minh Duc Phan & Burrell Montz, East Carolina University
- 1:55 ***A Comparison of Perceived and Climatological Risk to Tornadoes Surrounding Three Tennessee Cities*** Kelsey N. Ellis, Lisa R. Mason, Kelly N. Gassert, University of Tennessee
- 2:15 ***On the Events Surrounding the Storm With No Name, 12-14 August 2016, South Louisiana*** Clay Tucker, Louisiana State University
- 2:35 ***User Interpretation of Hurricane Wind Potential and Forecast Track Graphics*** Kathleen Sherman-Morris, Mississippi State University, & Karla Antonelli, The National Research & Training Center on Blindness & Low Vision
- 2:55 ***Climate Research, Education, and Extension: Developing a State Climate Office in Tennessee*** T. Andrew Joyner, William Tollefson, & Joseph B. Harris, East Tennessee State University

3:15-3:30 PM: Coffee and Refreshments Break

Enjoy refreshments during this break, which is sponsored in part by Esri, one of the premiere international developers of geographic information system (GIS) software, web GIS and geodatabase management applications.

3:30 - 5:30 PM: Paper and Poster Session V.

PAPER SESSION

Capital II

Migrant Geographies

Chair: William Terry

- 3:30 ***Refugee Community Formation in the Conservative South*** Melissa E. Holmes, University of Tennessee
- 3:50 ***Residential Location Patterns of Immigrants in 21st Century: Evidences from Atlanta MSA*** Arwa Altaher & Selima Sultana, University of North Carolina at Greensboro
- 4:10 ***To Dream the American Dream: A Spatial Assessment of Immigrants' Housing Choices and Question for Upward Mobility*** Selima Sultana & Arwa Altaher, University of North Carolina at Greensboro
- 4:30 ***Sports and the Social Integration of Migrants: Gaelic Football, Rugby Football, and Association Football in South Dublin*** Neil Conner, Delta State University
- 4:50 ***Seasonal Guest Work and Vulnerability in Hospitality and Tourism: Challenges for J-1 and H-2B Workers*** William Terry, Clemson University

PAPER SESSION

Carolina FGH

Human Geography in Cross-Section

Chair: Joe Weber

- 3:30 ***The Accessibility Analysis for the Impact of the Future Railway Upgrade Plans: A Case Study of the Southeast Region*** Hyojin Kim & Selima Sultana, University of North Carolina at Greensboro
- 3:50 ***North Carolina Vineyard Site Selection: Testing the Effectiveness of North Carolina Cooperative Extension Guidance*** John W. Nowlin & Rich Bunch, University of North Carolina at Greensboro
- 4:10 ***Emergency Management Agencies and Linguistically Isolated Households: The Case of County-Level Emergency Management Agencies in Florida*** Karen M. Wertz & Christopher K. Uejio, Florida State University
- 4:30 ***Death, Divorce, and Debt: How Older and Younger Foreclosees Compare, and the Race/Age Implications of Mortgage Debt in a Southern U.S. County*** Joe Weber & Bronwen Lichtenstein, University of Alabama
- 4:50 ***Community Geography Initiative: Integrating the Academic World with Applied Real World Solutions*** Derrick Scott, Florida International University

PAPER SESSION

Capital IV

Geographies of Food and Drink

Chair: Caitlin Finlayson

- 3:30 ***Barbecue and the Mosaic of Southern Carolina*** Chuck Kovacik, Univ. of South Carolina
- 3:50 ***Rocks on the Rocks: The Physical Geography of Bourbon*** Larry Kleitches, Georgia State University
- 4:10 ***Perceptions of Food Quality Among College Students*** Clara Ludtke & Caitlin Finlayson, University of Mary Washington
- 4:30 ***What We Don't Eat: Analyzing the Narrative of Food Waste*** Caitlin Finlayson, University of Mary Washington

PAPER SESSION

Capital III

Weather and Climate II

Chair: Jason C. Senkbeil

- 3:30 ***Spatial Analysis of Tropical Cyclone Rain Fields for Storms Making Landfall in Southeast United States Using TRMM Satellite Data*** Yao Zhou & Corene Matyas, University of Florida
- 3:50 ***Simulating Effects of Land Surface Characters on Tropical Cyclone Rainfall Pattern Using Hurricane Nature Run (HNR) and Weather Research Forecasting (WRF) Model*** Yu Wang & Corene Matyas, University of Florida
- 4:10 ***Assessing Bias in Simulated Radar Reflectivity Values for a Landfalling Hurricane*** Corene Matyas, University of Florida, Stephanie Zick, Virginia Polytechnic Institute and State University, & Jingyin Tang, University of Florida
- 4:30 ***A 235-year Record of Precipitation from Tropical Cyclones in Eastern North Carolina Derived from Longleaf Pine (Pinus palustris Mill.)*** Paul A. Knapp, Univ. of North Carolina at Greensboro, Justin T. Maxwell, Indiana Univ., & Peter T. Soule, Appalachian State Univ.
- 4:50 ***Evaluating the Predictive Capability of a Tornado Watch Scale Using Past Events*** Jason C. Senkbeil & Walker Skeeter, University of Alabama

PAPER SESSION

Carolina ABC

Vulnerability and Risk

Chair: Tyler Fricker

- 3:30 ***Spatiotemporal Variation in Risk to Sea-Level Rise: A Case Study of Coastal Georgia*** R. Dean Hardy, University of Maryland-College Park & Mathew Hauer, University of Georgia

- 3:50 ***Tornado Alley on the Move: Analysis of Tornado Activity in the SEDAAG Region from 1960-2015*** Doug R. Oetter, Georgia College & State University
- 4:10 ***Natural Disaster and Vulnerability: An Analysis of 2016 Flooding in Louisiana*** Aynaz Lofata & Shrinidhi Ambinakudige, Mississippi State University
- 4:30 ***Energy and Population Elasticity of Tornado Casualties at the Tornado Level*** Tyler Fricker & James Elsner, Florida State University

PAPER SESSION

Capital I

Applications in Remote Sensing

Chair: Tina Delahunty

- 3:30 ***The Potential of Using LIDAR and Aerial Imagery for Inventory of Geographically Isolated Wetlands in the South Carolina Coastal Plain*** Haiqing Xu, Michael E. Hodgson, Silvia Piovan, University of South Carolina
- 3:50 ***Assessing Land Cover Change in Central Texas During the 2011 Drought Event Using Change Vector Analysis of Landsat 5 Remote Sensor Data*** Shoumik Rahman, Florida State University
- 4:10 ***Utility of a Land Use Land Cover Dataset for Habitat Location*** Tina Delahunty & Jamie Shinskie, Bloomsburg University, & Amber Pitt, Trinity College

PANEL SESSION

Carolina D

When Graduate Students Teach: Tips and Strategies to Help You Succeed

Organizer: Sally P. Horn and Matthew T. Kerr

Chair: Sally P. Horn

- 3:30 ***Panelists*** Matthew T. Kerr, University of Tennessee, Danielle Haskett, University of Georgia, Fergus Keatinge, University of Florida, Mayra Roman-Rivera, University of South Carolina, Derek Martin, Appalachian State University, & Caroline Parks, University of Florida

POSTER SESSION

Palmetto I

Physical Geography

Large-scale Atmospheric Environments Associated with Mesoscale Convective Complexes in Southern Brazil Flavia Dias de Souza Moraes, University of Georgia, Francisco Aquino, Federal University of Rio Grande do Sul, & Thomas Mote, University of Georgia

Data Fusion Techniques for Estimating Urban Tree Metrics Tyler Jones, Luke Marzen, & Art Chappelka, Auburn University

Spatial Variations of Lateral Channel Migration, Blue River, Wisconsin Scott Lecce, East Carolina University, & Jessy Van Horn, U.S. Department of Agriculture

Investigating Prehistoric Pottery to Reconstruct Diets: Do Natural Geolipids in Clays Survive Firing to Affect Interpretations? Matthew Kerr, University of Tennessee-Knoxville, & Eleanora A. Reber, University of North Carolina at Wilmington

Monitoring Sediment Dynamics within a Gully in West Tennessee using Terrestrial LiDAR Yingkui Li, Jack McNelis, & Robert Washington-Allen, University of Tennessee-Knoxville

Ocean - Atmosphere Influences on U.S. Tornado Variability Tyler Ortegren, Rebecca Foglietti, & Jason Ortegren, University of West Florida

Fog Characteristics and Impacts across the Delmarva Peninsula Darren Parnell, Salisbury University, Wesley Skeeter, University of British Columbia, & Brent Skeeter, Salisbury University

Investigating the Climate-Growth Relationships of Tsuga canadensis & Quercus alba Using Tree-ring Analysis Stephen Price, Radford University

A 3,200 Year Sedimentary Charcoal Record of Fire From a Globally Rare and Critically Imperiled Central Appalachian Pitch Pine Bog Chance Raso & Lisa Kennedy, Virginia Tech

Morphological Response to Reduced Discharge on a Losing Catawba River Bifurcate Jennifer Reynolds & Dan Royall, University of North Carolina at Greensboro

A Geospatial Assessment of Wetland Habitat Change in the Mobile-Tennsaw River Delta (AL) from 2006 to 2013 John Rodgers & Scott Rush, Mississippi State University, & Eric Soehren, Alabama Department of Conservation and Natural Resources

Synoptic Conditions and Surface Weather Types Associated with Intense Precipitation Events in the Mid-Atlantic Walker Skeeter, University of Alabama

Viability of Structure From Motion in Understanding Bank Morphology In-Stream Robert Sorrells & David Leigh, University of Georgia

Linkages between Arctic Sea-Ice Extent, Summer Surface Temperatures, and Radial Growth of Alpine-Larch Trees in the Northern Rockies Peter Soule, Appalachian State University, Paul Knapp, University of North Carolina at Greensboro, & Steve Shelly, U.S. Forest Service Northern Region

Seedling Establishment Characteristics within the Wooded/disturbed Ecotone of an Old Growth Forest and a Managed Forest Melanie Stine, Sweet Briar College

Seasonal Analysis of Historical Air Mass Persistence Across the United States, 1955-2015 Jessica Suggs & Andrew Ellis, Virginia Tech

Observations from New Meteorological Stations on the Quelccaya Icecap and Quisoquipina Glacier, Cordillera Vilcanota, Peru: 2014-2016 Jessica Thaggard & L. Baker Perry, Appalachian State University

Extreme Rainfall Climatology for the Tri-Cities Region of Tennessee William Tollefson & T. Andrew Joyner, East Tennessee State University, & Joseph Harris, Louisiana State University

Evaluation of an Autometric Methodology for Delineating the Binary Shape of Tropical Cyclone Precipitation Patterns Stephanie Zick, Virginia Tech

6:00 – 7:15 PM

World Geography Bowl Championship Event

Capital III / IV

Warm-up Round

Student All-Stars vs. Professional Dream Team

Student All-Star Team

Members from Preliminary Round Non-finalist Teams

Dream Team

Glen MacDonald, AAG President, Jamison Conley, University of West Virginia, Jerry Mitchell, University of South Carolina, George Longberger, Georgia Perimeter College, Hilda Kurtz, University of Georgia, Kathy Sherman-Morris, Mississippi State University

Championship Round

Top two state teams from SEDAAG compete in a winner-takes-all round. Plaques to the winning team and to the Most Valuable Player.

World Geography Bowl Director

Dawn M. Drake, Missouri Western State University

Moderator

Dawn M. Drake, Missouri Western State University

Judges

Jamison Conley, West Virginia University, Margaret Gripshover, Western Kentucky University, Glen MacDonald, University of California Los Angeles and AAG President, Christa Smith, Clemson University

Scorekeeper

Lee Ann Nolan, West Virginia University

7:30 – 10:00 PM

Honors Banquet and Plenary Address

Carolina Ballroom

The Honor's Banquet will recognize those selected for SEDAAG's top awards in research, teaching and service.

We are especially pleased to welcome AAG President, Glen MacDonald, who will be giving the plenary address: "California and the Southwest – Beyond the Perfect Drought." Professor MacDonald is the John Muir Memorial Chair of Geography, Director of the White Mountain Research Center and a UCLA Distinguished Professor. He is a Member of the National Academy of Sciences, a Fellow of the American Geophysical Union, a Fellow of the American Association for the Advancement of Science, a Guggenheim Fellow and a Rockefeller Bellagio Resident. *All those who registered for the conference are free to attend the Honors Banquet at no additional cost.*