



SouthEastern Division *of the*  
Association *of* American Geographers

**PROGRAM**  
**72<sup>nd</sup> Annual Meeting**  
**Of the Southeastern Division of the AAG**



**Hosted by**  
**Department of Geosciences**  
**Mississippi State University**  
**Starkville, MS**  
**November 19-20, 2017**

## **SEDAAG Executive Committee**

**President** Ron Kalafsky, University of Tennessee

**Vice President** Lynn Resler, Virginia Tech

**Secretary** Francis Koti, University of Northern Alabama

**Treasurer** Korine Kolivras, Virginia Tech

**Past President** Skeeter Dixon, University of Southern Mississippi

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**Members of the Executive Committee** (see above)

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**Florida State Representative** Corene Matyas, University of Florida

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**Chair** Shrinidhi Ambinakudige, Mississippi State University

**Members** Kathleen Sherman-Morris, Mississippi State University; Chris Fuhrmann, Mississippi State University; John Rodgers, Mississippi State University

## **2017 SEDAAG Program Committee**

**Program Chair** Lynn Resler, Virginia Tech

**Members** Suzanna Lindeman, Virginia Tech, and Executive Committee members

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## **SEDAAG Honors Committee**

**Chair** Amy Potter, Armstrong State University

**Committee Members** Saskia L. Van De Gevel, Appalachian State University; Matthew R. Cook, Eastern Michigan University; Amy E. Potter, Armstrong State University; Steven R. Schultze, University of South Alabama

## **World Geography Bowl Committee**

**Event Organizers** Dawn M. Drake, Tom Bell, Dawn Bowen, Bill Carstensen, Jamison Conley, Peggy Gripshover, George Lonberger, Jeff Neff, Lee Ann Nolan, and P. Caleb Smith

**Moderators** Tom Bell, Dawn Bowen, Jamison Conley, and Paul McDaniel

**Judges** Peggy Gripshover, George Lonberger and Criss Smith

**Scorekeepers** Ingrid Luffman, Ronnie Schuman, and P. Caleb Smith

**Master Scorekeeper** Lee Ann Nolan

### **Teams and State WGB Coordinators**

- **North Carolina:** Tim Mulrooney, North Carolina Central University
- **South Carolina:** John Kupfer, University of South Carolina
- **Tennessee:** Andrew Joyner, East Tennessee State University
- **Virginia:** Joe Nicholas, University of Mary Washington
- **Florida:** Jennifer Collins, University of South Florida and Jason Ortegren, University of West Florida
- **Mississippi:** Sarah Radencic Lalk, Mississippi State University

**Dream Team:** Derek Alderman, AAG President, Jamison Conley, Director of AAG World Geography Bowl, Skeeter Dixon, Past President of SEDAAG, Shrinidhi Ambinakudige, Mississippi State University

## PROGRAM AT A GLANCE

<b>Sunday, November 19</b>		
8:00 - 10:00	<b>Executive Committee Breakfast</b>	Marriott Hotel
11:00 - 2:00	<b>Steering Committee Meeting</b>	The Mississippian Salon C
10:00 - 10:45	<b>World Geography Bowl Registration</b>	The Mississippian Salon A
11:00 - 11:30	<b>World Geography Bowl Orientation</b>	The Mississippian Salon A
11:30 - 3:00	<b>World Geography Bowl Round Robin Competition</b> (announcement of winning teams and formation of all-star team will immediately follow the conclusion of the Round Robin Competition)	Salon A, Salon B, Rivers, Delta and Foothills
4:00 - 6:00	<b>Paper and Poster Sessions</b>	The Gallery
6:30 – 7:30	<b>Southeastern Geographers Social Event</b>	Bin 612 (tentative)
7:30 – 9:30	<b>Opening Reception</b>	Hobie's
All day	<b>Conference Headquarters</b>	Sanders
8:00 – 7:00	<b>Registration and exhibitors</b>	Sanders

<b>Monday, November 21</b>		
7:00 - 1:00	<b>Registration</b>	Sanders
7:00 - 8:00	<b>Status of Women in Geography Breakfast</b>	Salon C
8:00 - 5:00	<b>Paper, Poster, and Panel Sessions</b>	
8:00 - 5:00	<b><i>Southeastern Geographer</i> Photo Competition</b>	The Gallery
12:00 – 1:00	<b>Stand-Alone Geographers Lunch</b>	Salon C
5:00 - 6:00	<b>SEDAAG Business Meeting</b>	Delta
6:00 - 7:15	<b>World Geography Bowl Championship</b>	Salon A
7:30 - 10:00	<b>Honors Banquet and Plenary Address</b>	Salon B & C

# Paper and Poster Sessions

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.

**SUNDAY**

**November 19**

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**4:00pm - 6:00pm**

PAPER SESSION

Rivers

## **Human-Environment Interactions and Conservation**

Chair: Maria Fadiman, Florida Atlantic University

- 4:00     ***Outreach And Conservation: Ethnobotanical Awareness In Blue Holes National Park, Bahamas*** Maria Fadiman (Florida Atlantic University)
- 4:20     ***Open Pine Projects Of The Gulf Coastal Plains And Ozarks Landscape Conservation Cooperative: An Example Of Strategic Habitat Conservation*** Toby Gray and Kristine Evans (Mississippi State University)
- 4:40     ***Mobile Phones And Information Diversity In Tanzania*** Timothy Baird (Virginia Tech) and Joel Hartter (University of Colorado)
- 5:00     ***Misconceptions About The Paris Climate Agreement*** David Keellings (University of Alabama)
- 5:20     ***Impacts Of Severe Weather Watches On Daily Activities*** Barrett Gutter, Michael Brown, and Kathleen Sherman-Morris (Mississippi State University)
- 5:40     ***The Construction Of Adaptation Subjects Via The Ada Sea Defense System Of Ghana*** Kwame N. Owusu-Daaku (University of West Florida)

PAPER SESSION

Coastal

## **Land Use and Land Cover Change**

Chair: Cory Cowick, University of Southern Mississippi

- 4:00     ***Identifying Convective Patterns Before And After Harvest Over The Lower Mississippi River Alluvial Valley*** Amanda Raborn and Dr. Jamie Dyer (Mississippi State University)

- 4:20 ***The Hydrochemistry And Landuse / Landcover Classification Of The Upper Pearl River Watershed In Central Mississippi*** Shannon Vattikuti and Dr. Varun Paul (Mississippi State University)
- 4:40 ***Is This Any Good? Field Validation Of Coffee Site Suitability Model*** Mario A. Mighty (University of North Alabama)
- 5:00 ***A Comprehensive Look Into The Effects Of Land-Use Change On Local Floodplains: Case Study Of Proposed 310 Connector In Harrison County, Mississippi*** Cory Cowick (University of Southern Mississippi)

PAPER SESSION

Delta

## **Special Session: Mapping and Modeling in Weather & Climate Forecasting and Research**

Organizer: Stephanie E. Zick, Virginia Tech

Chair: Stephanie E. Zick, Virginia Tech

- 4:00 ***What Do Users Need To Understand And Use Longer-Range Uncertainty Information In Decision-Making: An Assessment Of 8-10 Day Ensemble Forecast Products?*** Burrel Montz (East Carolina University)
- 4:20 ***The Role Of Large-Scale Meridional SST Gradients In Modulating ENSO Patterns Over The Eastern United States*** Kim Wood (Mississippi State University)
- 4:40 ***Evolution Of Tangential And Radial Extent Of Radar Reflectivity Regions During The Landfalls Of Hurricanes Jeanne (2004) And Humberto (2007)*** Corene Matyas (University of Florida)
- 5:00 ***Defining Rain Vs. No Rain: An Evaluation Of Thresholds For Delineating Rainfall Regions In Object-Based Methods For Precipitation Verification*** Stephanie Zick (Virginia Tech)

PAPER SESSION

Pines

## **Energy and Politics**

Chair: Selima Sultana, University of North Carolina at Greensboro

- 4:00 ***Analyzing The Impact Of National Political And Economic Events On Cropping Patterns In The Mississippi Delta*** Mary Grace Chambers and Shrinidhi Ambinakudige (Mississippi State University)
- 4:20 ***A Geographic Assessment Of Households Energy Expenditures In North Carolina: A First Look At Micro Scale*** Selima Sultana, Nastaran Pour Ebrahim, and Hyojin Kim (University of North Carolina at Greensboro)

4:40 ***Overcoming Injustices In Energy Efficiency Building Policies: A Mixed Methods Analysis For The Tennessee State Energy Plan*** Kathleen M. Ernst (University of Tennessee)

5:00 ***Hydropower In The Southeast Under Competing Interests—A Network Analysis*** Johanna Engstrom (University of Alabama)

PANEL SESSION

Salon B

## **Special Session: Let's Talk About Early Career Publishing Strategies**

Organizer: Hilda Kurtz, University of Georgia

4:00 This panel brings together past and current editors of the *Southeastern Geographer*, the journal's editorial assistant and three current or former department chairs to reflect on different approaches to early career publishing strategies. Panelists will discuss best practices for positioning your work, meeting departmental expectations, and working with editors.

Panelists: Derek Alderman, Professor, Department of Geography, University of Tennessee; Doug Gamble, Chair and Professor of Geography, Department of Earth and Ocean Sciences, University of North Carolina Wilmington; Katherine Hankins, Interim Chair, Department of Geosciences, Georgia State University; Hilda Kurtz, Professor, Department of Geography, University of Georgia; Nancy O'Hare, Researcher, National Park Service and University of Georgia

POSTER SESSION

The Gallery

## **Graduate Honors**

***A Census Of The Oxbow Lakes Of The Mississippi Alluvial Plain And Classification Of Their Ecological Characteristics*** Michael Rhodes and Leandro Miranda (Mississippi State University)

***Exploration Of Experiential STEM Education Programs In Mississippi And Their Use In Mississippi Public Schools*** Randi Robison (Mississippi State University)

***Groundwater Geochemistry Of Areas With High Incident Of Chronic Kidney Diseases With Unknown Aetiology (CKDu)*** Sudeera Wickramarathna, Shyamali Balasooriya, and Rohana Cahandrajith (University of Peradeniya)

***Industrialized Animal Agriculture: Communicating The Harms Of High Meat Consumption On Public Health, Food Security, And The Environment*** Savannah Collins-Key (University of Tennessee, Knoxville)

***Recreating Paleoenvironments By Geographical Correlation Of Shell Features Of *Exogyra* In Mississippi*** Marvin Kunath (Mississippi State University)

***The Needs Of The River: Examining Potential Impacts Of External Drivers On Environmental Instream Flows On The Cahaba River*** Cehong Luo and Sarah Praskievicz (University of Alabama)

POSTER SESSION

The Gallery

## **Undergraduate**

***A Geographic Analysis Of ACC And SEC Rosters*** Trevor Head (University of West Georgia)

***A Spatial Analysis Of The Effects The Deferred Action Of Childhood Arrivals Policy May Have Had On The American Economy*** Cara Nwodu (University of North Alabama)

***An Examination of Evacuation Decision Making During Hurricane Irma*** Amy Polen (University of South Florida School of Geosciences)

***An Examination Of The Educational Success Of Under-Represented Groups*** Henrick Gordon (University of West Georgia)

***Bad Air: A Spatial Analysis Of Lake Michigan's Ozone Using HSI Data*** Savannah Watson (University of North Alabama)

***Behavioral Patterns Of Co-Occurring Bloodfin And Neon Tetras Under Varied Environmental Conditions*** Emma Melvin and Jonathan Fleming (University of North Alabama)

***Comparing Dune Recovery Management Techniques Post-Hurricane*** Sean McGill, Jean Ellis, and Mayra Román-Rivera (University of South Carolina)

***David & Goliath: Community Redevelopment In Rosedale Park*** Kathryn Treanor (Samford University)

***Detection Of Forest Greenspace Loss In The Baldwin County Area*** Evan Hearn (Georgia College)

***Drainage Basin Characteristics Of A Small Stream At Crow's Nest*** Alistair Andrulis (University of Mary Washington)

***Drought In Alabama: An Assessment Of 32 Downscaled Models*** Elizabeth Payne and David Keellings (University of Alabama)

***Examining Fan Bases Using Social Media For Professional Football Teams*** William Purcell (University of West Georgia)

***Examining Rainfall Field Extents In Tropical Cyclones Affecting Madagascar And Mozambique*** Sarah VanSchoick (Santa Fe College)

***Finding Common Ground: Engaging Community In Envisioning Public Space*** Christofer Gass and Alexandria Ard (Columbus State University)

***Flying For Science: UAV Collection Of Atmospheric Temperatures During Total Solar Eclipse*** Patrick Remson (University of South Carolina)

***Geographic Trends Of A New Dance Form In The U.S.*** Ellen Randolph (University of West Georgia)

***Hyperspectroscopy Of Agricultural Hedgerows In Southern California*** Samuel Schafer (University of North Alabama)

***Impact Of High School Educational Experience On College Graduation At UWG*** Benjamin Brown (University of West Georgia)

***Impacts Of Tropical Systems On The Coastline Of Glynn County, Georgia From 1988-2017*** Connor Gibson (Georgia College and State University)

***Imperial waters: China's South China Sea adventure in historical global context*** Chase Womack (University of North Alabama)

***Measuring The Retreat Of The Muir Glacier In Alaska*** Christopher Brown (Georgia College)

***Mobile Weather System Via Micro Controlled Drone And Sensors*** Maleen Jayanath Kidiwela (Mississippi State University)



***Out Of Sight, Out Of Mind: A Study Of The Historical Markers In Savannah*** Linnea Ryan (Armstrong State University)

***Plane Thinking: Flying At The Margin*** Austin Mohlenbrok (Samford University)

***Recent Changes In The Urban Landscape Of Peachtree City, Georgia*** Larkin Morris (Georgia College and State University)

***Regional Joint Patterns In Northwest Alabama*** Payton Gilchrist (University of North Alabama)

***Temporal Analysis Of Henry County Landcover*** Catherine Cronlund (Georgia College and State University)

***The House Of Osman: The Expansion Of The Ottoman Empire*** Kaerra Smiley (Old Dominion University)

***The Impacts of Terrorism On Travel*** Haley Patterson (University of West Georgia)

***The Implementation Of Light Intensity And Temperature Probes To Aid Research In Coral Propagation And Reef Rehabilitation*** Forrest Courtney (Samford University)

***The Livability Of Shakespeare's London*** Reagan Yessler (University of Tennessee, Knoxville)

***The Spread Of Solenopsis Invicta, Red Imported Fire Ant, Through The Southeastern Region, And Influence Of Land Use On Mound Disturbance And Spacing*** Isabella Wilson and Greg Gaston (University of North Alabama)

***Unlocking The Geomorphic Joint Pattern In The Tusculumbia Limestone Of North Alabama*** Jessica Coffey and Greg Gaston (University of North Alabama)

***Urbanization: The Trend In Macon, GA*** Jon McBrayer and Doug Oetter (Georgia College and State University)

***Using Time Series Of Terrestrial Laser Scanning Data To Determine Erosion Hotspots In Second Creek, Knoxville, TN*** Logan Gross, Robert Washington-Allen, and Michael Componovo (University of Tennessee, Knoxville)

***You Are What You Eat: Determinants Of Childhood Obesity, Chatham County*** Jesus Miguel de Alba (Armstrong State University)

Monday

November 20

8:00am - 10:00am

PANEL SESSION

Salon A

**Special Session: Hurricanes in 2017 – a new normal?**

Organizers: Jennifer Collins and Dr. Kathy Sherman-Morris, Mississippi State University  
Moderator: Dr. Kathy Sherman-Morris, Mississippi State University

8:00

Panelists: Dr. Jennifer Collins, University of South Florida; Dr. Kelsey Ellis, University of Tennessee, Knoxville; Dr. Corene Matyas, University of Florida; Dr. Stephanie Zick, Virginia Tech

PAPER SESSION

Rivers

**Digital Geographies and Critical Mapping**

Organizer: Taylor Shelton and Ian Spangler  
Chair: Taylor Shelton

- 8:00 ***Hacking Code/Space: Confounding The Code Of Global Capitalism*** Matt Zook (University of Kentucky)
- 8:20 ***Tracing Viral Maps: The Social Life Of Maps In An Age Of Social Media*** Kyle Walker (Texas Christian University) and Jerry Shannon (University of Georgia)
- 8:40 ***Using Qualitative GIS To Track Change In Commemorative Landscapes After Charlottesville*** Stephen Hanna and Eli McCleary (University of Mary Washington)
- 9:00 ***Rethinking The RECAP: Visualizing The Relational Geographies Of Concentrated Poverty And Affluence In Lexington, Kentucky*** Taylor Shelton (Mississippi State University)
- 9:20 ***Teaching Critical GIS Historically*** Matt Wilson (University of Kentucky)

PAPER SESSION

Delta

**Special Session: Remote Sensing of Physical Environment using Unmanned Aerial Systems I**

Organizers: Padmanava Dash and Shrinidhi Ambinakudige  
Chair: Padmanava Dash

- 8:00 ***Habitat Analysis And Marsh Reconstruction Monitoring Using A UAS*** Robert Moorhead, Gray Turnage, Lee Hathcock, Sean Meacham, and David Young (Mississippi State University)

- 8:20 **Remote Sensing Of Wildfire Using Suas – Burned Area Mapping And Damage Assessment In Grand Bay National Estuarine Research Reserve, Mississippi** Sathishkumar Samiappan, Cary Mccraine, Gray Turnage, Lee Hathcock, and Robert Moorhead (Mississippi State University)
- 8:40 **Remote Sensing Algorithms To Quantify Chlorophyll A And Phycocyanin Using Two Popular UAS Based Sensors And Three Currently Operational Satellite Sensors In Mississippi Lakes** Saurav Silwal, Padmanava Dash, and Robert Moorhead (Mississippi State University)
- 9:00 **Cloud Shadow And Sun-Glint Correction In UAS Imagery Using Machine Learning Algorithms** Sushant Shekhar (Indian Institute of Technology), Padmanava Dash, Gary Feng and Robert Moorhead (Mississippi State University)
- 9:20 **Use Of Uavs In Virtual Field Trips** Youngwoo Cho and Renee M. Clary (Mississippi State University)

PAPER SESSION

Foothills

## Advances in Economic Geography

Organizer: Ronald V. Kalafsky, University of Tennessee

Chair: Ronald V. Kalafsky, University of Tennessee

- 8:00 **Rescaling Exports And Growth? Considering The Case Of Southern US Msas** Ronald V. Kalafsky (University of Tennessee)
- 8:20 **A Snapshot Of Tobacco Growing In Northwest Missouri** Dawn M. Drake (Missouri Western State University)
- 8:40 **What Do We Really Know About Neighborhood Change In Southern Cities? A Comparative Evaluation Of The Demographic Data Used In Retail Site Selection** William Graves (University of North Carolina, Charlotte)
- 9:00 **Blind Spots In Economic Geography's Treatments Of The State: Examples From 20th Century Italy** Christian Sellar (University of Mississippi)
- 9:20 **Using Pro Sports To Teach Economic Geography** Harrison Campbell (University of North Carolina, Charlotte)

PAPER SESSION

Pines

## Geographic and Environmental Education

Chair: Doug Oetter

- 8:00 ***Taking The LEAP: Geography's New Essential Learning Outcomes*** Amy Sumpter and Doug Oetter (Georgia College)
- 8:20 ***Taking The LEAP II: The Geographic Springboard To High-Impact Educational Practices*** Doug Oetter and Amy Sumpter (Georgia College)
- 8:40 ***Kids And Birds: Engaging Guatemalan Youth In Conservation*** Dawn S. Bowen and Heather Banikas (University of Mary Washington)
- 9:00 ***GEO Opportunities For Leadership In Diversity (GOLD): Hearts Of GOLD*** P. Grady Dixon (Fort Hays State University)
- 9:20 ***Southern Foodways In The Classroom And Beyond*** Catarina Passidomo, William Braswell, Elizabeth Campbell, Victoria De Leone, Joseph Green, Miller Meyers, and Kevin Mitchell (University of Mississippi)

PAPER SESSION

Salon B

## Cultural Geographies I

Chair: David S. Hardin

- 8:00 ***Southern Vergangenheitsbewältigung: Cultural Revolution And The Fall Of The Lost Cause Landscape*** David S. Hardin (Longwood University)
- 8:20 ***The Memorialization And Sanctification Of 19<sup>th</sup> Century Native American Massacre Sites*** Gerald R. Webster (University of Wyoming)
- 8:40 ***Assemblage Of The Emergent Plantation Museum Experience*** Candace Bright, Amy Potter (Armstrong State University), Derek H Alderman (University of Tennessee, Knoxville), David L. Butler (Middle Tennessee State University), Perry L. Carter (Texas Tech University), Stephen P. Hanna (University of Mary Washington), and E. Arnold Modlin (Norfolk State University)
- 9:00 ***Beyond Gone With The Wind: Images Of Plantations In The Southern United States*** E Arnold Modlin, Jr. (Norfolk State University) and Candace Forbes Bright (University of Southern Mississippi)
- 9:20 ***Twin Sons Of Different Continents: The "Memory Bump" And Growing Up With Rock 'N' Roll Music On Both Sides Of The Atlantic*** Thomas L. Bell (University of Tennessee) and Peter J. Taylor (University of Northumbria)
- 9:40 ***A Cultural Geography Of Japanese Enka Music*** Dennis J. Edgell (University of North Carolina at Pembroke)

## Coastal Biophysical and Geomorphological Processes

Chair: John van der Zwaag, Mississippi State University

- 8:00 ***Geocoast: A Decision-Support System For Assessing Sea Level Rise Impacts On Critical Infrastructure*** John Van Der Zwaag, Scott Samson, and John Cartwright (Mississippi State University, Geosystems Research Institute)
- 8:20 ***Annual Resolution Shoreline Change and Spatial Uncertainty In Coastal Bangladesh*** Khaled Rahman and Tom Crawford (Virginia Tech), Scott Curtis (East Carolina University), and Bimal Paul (Kansas State University)
- 9:00 ***Impact of Hurricane Joaquin on Invasive Australian Pine Populations (Casuarina equisetifolia) in the Bahamas*** John Rodgers (Mississippi State University)

## Human-Environment Interactions

- A Comparative Climatology Of Tornado Outbreaks And Outbreak Variability Within The United States*** Rebecca Foglietti and Jason Ortegren (University of West Florida)
- Analysis Of Daily Weather Consumption Of 18-24 Year Olds*** Christopher Nunley (Mississippi State University)
- Assessment Of Landscape Change Of The Mobile Bay Using Landsat Imagery (1975-2015)*** Abdalla Sherif and Qingmin Meng (Mississippi State University)
- Factors Influencing The Usefulness Of The NWS Website Radar Display*** Michelle Saunders (University of South Florida)
- Comparing Forest Disturbance Between U.S. Forest Service Forest Inventory And Analysis (FIA) And Remote Sensing Products In South Carolina*** Brooke Rose and Nicholas Nagle (University of Tennessee, Knoxville)
- Development Of A Mobile Geospatial App Using ESRI Collector To Support Environmental Education*** Evan Norton and Yingkui Li (University of Tennessee)
- Geospatial Modeling For The Impacts Of A Proposed Dam And Reservoir On The Upper Pit River*** Yongqin Zhang and Carol Michelle Ray (Delta State University)
- Improving Sinkhole Mapping Using LIDAR Data And Assessing Road Infrastructure Vulnerabilities In Washington County, TN.*** Kingsley Fasesin and Ingrid Luffman (East Tennessee State University)
- Land Cover Changes In Rio De Janeiro, Brazil During The Past Two Decades: An Integrated Remote Sensing And GIS Approach*** Feilin Lai and Xiaojun Yang (Florida State University)
- Logistic Regression Modeling Of Vegetation Impact In Protected Area*** Min Kim (Marshall University)
- Outer Banks Tourists' Preferences, Sensitivities, and Environmental Perceptions: A Case Study Of Cape Hatteras National Seashore*** Logan McSherry (East Carolina University)

***Poison Ivy (Toxicodendron radicans) Growth Habits and Anthropogenic Influence*** J.T. Fry, Lynn M. Resler, John Jelesko, and Scotland Leman (Virginia Tech)

***Relationship Between Air Mass Type And Emergency Department Visits For Migraine Headache Across The Triangle Region Of North Carolina*** Christopher Elcik and Christopher Fuhrmann (Mississippi State University)

***Spatiotemporal Analysis Of Hydrilla (Hydrilla Verticillata) Infestation In Pickwick Reservoir Alabama*** Randee Miller and Jonathan Fleming (University of North Alabama)

***Using Boosting To Identify Fishing Hot Spots Based On Geo-Tagged Twitter Data*** Xiaoyu Lu and Xi Luo (University of Tennessee, Knoxville)

***Utilizing Emerging Mobile Technologies For Drought Mitigation*** Michael Brown and Kelli Alexander (Mississippi State University)

***Water Use For Center Pivot Irrigation In The Wiregrass Region Of Alabama*** Philip Chaney, Jarrett Roland, and Meredith Moore (Auburn University)

***Wild Alternatives: The Role And Significance Of Wild Game Harvesting In West Virginia Foodways*** Kaleb Pietkoski, Evelyn Griffith, Jonathan Hall, and Bradley Wilson (West Virginia University)

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## 10:00am - 12:00pm

PAPER SESSION

Coastal

### Economic Geography I

Chair: Eric K. Spears, Columbus State University

10:00 ***Scale & Political Ecology: A Conceptual Analysis Of The Brazilian Samarco Disaster*** Eric K. Spears (Columbus State University)

10:20 ***Changing Economic Geography Of Southern New England's "Tobacco Valley" From 1965 To The Present: Local-Global Nexus*** Matthew McKay (University of Florida)

10:40 ***Placing Social Capital: Place Identity And Economic Conditions In Appalachia*** Chris Holtkamp and Russell Weaver (Texas State University)

11:00 ***High Resolution Profit Map For Site-Specific Farm Management: A Case Study In Mississippi*** Xiaofei Li (Mississippi State University)

11:20 ***Hedging The Price Risk Of Corn Revenue Protection Policies Through Call Option: A Spatial Analysis At The County Level*** Sweta Tiwari, Shrinidhi Ambinakudige, Keith H. Coble, Ardian Harri, and Barry J. Barnett (Mississippi State University)

PAPER SESSION

Rivers

## Special Session: Food Justice and the U.S. South: Remembering the Past, Cultivating the Future

Organizers: Brian Williams, University of Georgia and Catarina Passidomo, University of Mississippi  
Chair and Discussant: Catarina Passidomo, University of Mississippi

- 10:00 ***Desertification, Desertion, Democracy? Nutritional Entitlements, Spatial Justice and The Right To Food In Appalachia and Beyond*** Bradley Wilson (West Virginia University)
- 10:20 ***A Historical Look at a Black Radical Geography in Fannie Lou Hamer's Freedom Farms*** Priscilla McCutcheon (University of Louisville)
- 10:40 ***Food Justice and Environmental Justice in the Mississippi Delta: Making the connections*** Brian Williams (University of Georgia)
- 11:00 ***Interpreting and Practicing Food Justice Through Cooperative Economic Relationships*** Heather Hyden (North Limestone Community Development Corporation) and Rosalind Harris (University of Kentucky)

PAPER SESSION

Salon B

### Cultural Geographies II

Chair: Taulby H. Edmondson (Virginia Tech)

- 10:00 ***The Wind Goes On: Gone With The Wind and The Imagined Geographies Of The American South*** Taulby H. Edmondson (Virginia Tech)
- 10:20 ***Conflict Of Development and Development Of Conflict: Post War Development Programs In Sri Lanka*** Ram Alagan and Seela Aladuwaka (Alabama State University)
- 10:40 ***Woven Together: African American Women and The Human Hair Trade*** Brittani Young (University of South Carolina)
- 11:00 ***Southern Slant: The Geography Of FBS College Football Player Production and Program Success, 2017*** Theodore L. Goudge, Jamie R. Ball, and Dylan C. Dennis (Northwest Missouri State University)
- 11:20 ***Performing A Black Sense Of Place: Place-Making and The FAMU Marching 100*** Doug Allen (Florida State University)
- 11:40 ***Geographies of John Cage*** Robert Kruse (West Liberty University)

## Special Session: Hydrosocial Geographies in the Apalachicola-Chattahoochee-Flint River Basin

Session Organizers: Richard Milligan, Georgia State University  
 Ellis Adams, Georgia State University  
 Scott Raulerson, Georgia State University

Chair: Richard Milligan, Georgia State University

- 10:00 ***Scalar And Stakeholder Diversity In Transboundary Water Governance Of The ACF***  
 Nicole Vermillion, Ellis Adams, and Richard Milligan (Georgia State University)
- 10:20 ***Political Ecology Of The Florida-Georgia Water Dispute In The ACF***  
 Tyler McCreary (Florida State University) and Frank Schmitz (Florida State University)
- 10:40 ***Green Infrastructure And Urban Water Inequalities In Atlanta***  
 Hannah Stefanoff (Georgia State University)
- 11:00 ***Strategies To Address Racial Disparities In Stormwater Management In Atlanta's Proctor Creek Watershed***  
 Kris Raybon (Georgia State University)
- 11:20 ***Economic Impacts And Perceptions Of The Tri-State Water Wars***  
 Scott Raulerson (Georgia State University)

## Physical Geography I

Chair: Phillip P. Schmutz, University of West Florida

- 10:00 ***Design Of A Rotating 360° Piezoelectric Sensor To Quantify Aeolian Sand Transport***  
 Phillip P. Schmutz, Ty Briggs (University of West Florida), and Peter Tereszkievicz (University of South Carolina)
- 10:20 ***Calculating Aeolian Sediment Transport Relative To The Presence Of Gravel Lag*** Ty Briggs and Phillip P. Schmutz (University of West Florida)
- 10:40 ***A Paleoflood Desktop Survey On The Upper Tennessee River*** Liem Tran, Sally P. Horn, Larry McKay, and Howard J. Cyr (The University of Tennessee)
- 11:00 ***Declining Arctic Sea-Ice Extent and Increasing Wildfire Activity In The Western United States: Spatio-Temporal Linkages*** Paul A. Knapp (University of North Carolina at Greensboro) and Peter T. Soule (Appalachian State University)



11:20 ***Landslide Inventory Mapping Of Chittagong Hilly Areas Of Bangladesh*** Yasin Wahid Rabby and Yingkui Li (University of Tennessee)

11:40 ***Quantifying The Relative Contributions Of The Physical Mechanisms Responsible For The Atlanta 2009 Flood*** Neil Debbage and J. Marshall Shepherd (University of Georgia)

PAPER SESSION

Delta

## **Special Session: Remote Sensing of Physical Environment using Unmanned Aerial Systems II**

Organizers: Padmanava Dash and Shrinidhi Ambinakudige, Mississippi State University

Chair: Shrinidhi Ambinakudige

10:00 ***A Versatile Laser Induced Fluorescence Module System For Remote Sensing*** Supriya Nagpal, Adam Powers, Prakash Adhikari, Nava R. Subedi, William P. Williams, Gary Windham, Gerald A. Matthews, and Gombojav O. Ariunbold (Mississippi State University)

10:20 ***Quantifying Atmospheric Effects In Unmanned Aerial System Imagery*** Christopher Zarzar, Padmanava Dash, Jamie Dyer, and Robert Moorhead (Mississippi State University)

10:40 ***Machine Learning Framework For Levee Slump Slide Detection Using Synthetic Aperture Radar Imagery*** Lalitha Dabbiru, James V. Aanstoos, and John E. Ball (Mississippi State University)

11:00 ***Mapping Common Aquatic Plants Using Unmanned Aerial Systems*** Sathishkumar Samiappan, Cary McCraine, Gray Turnage, Lee Hathcock, Haibo Yao, Russel Kincaid, Robert Moorhead, and Steve Ashby (Mississippi State University)

11:20 ***A Pilot Study For Identifying Failing Septic Systems Using Unmanned Aerial Systems*** Padmanava Dash, Shrinidhi Ambinakudige (Mississippi State University), Mark Elliott, Yuehan Lu (University of Alabama), Gray Turnage, and Robert Moorhead (Mississippi State University)

PAPER SESSION

Foothills

## **Graduate Honors Papers – Doctoral**

Organizer: SEDAAG Honors Committee

Chair: Amy Potter, Armstrong University

10:00 ***Climate Change In A High-Elevation Whitebark Pine Ecosystem, Beartooth Mountains, Wyoming, U.S.A.*** Maegen Rochner (University of Tennessee, Knoxville)

- 10:20 ***Riparian Vegetation Response To Streamflow Alteration Due To Dam Construction In A Range Of Rivers Across The United States*** Dinuke Munasinghe (University of Alabama)
- 10:40 ***Modeling Urban Growth And Land Cover In Albuquerque, New Mexico Using SLEUTH*** Pankaj R. Bajracharya (University of North Carolina at Greensboro)
- 11:00 ***Investigating The Relationship Between Climate And Valley Fever Incidence In Kern County, CA*** Elizabeth Weaver (Virginia Tech)
- 11:20 ***The Geography Of The Creative Class In The Greater Tokyo Area*** Makoto Ikegaya (University of North Carolina at Greensboro)

POSTER SESSION

The Gallery

## Human Geography

***'Geographies Of The Projection': The Early Dissemination Of Mercator And Wright's Projections***

Michele Abee (University of North Carolina at Greensboro)

***A Grave Situation In Kentucky: Dislocated Memorialization And The Blue Grass Army Depot's***

***"Cemetery A."*** Margaret Gripshover (Western Kentucky University)

***Can Community Size Influence Individual Awareness Of Regional Geosciences Resources?*** Sarah

Radencic Lalk And Kathleen Sherman-Morris (Mississippi State University)

***Gentrification And Public Transportation*** Joyce Clapp and Selima Sultana (University of North Carolina at Greensboro)

***Improving Communication Of Weather Emergencies To The Deaf And Hard-Of-Hearing Community***

Taylor Pechacek (Mississippi State University)

***Making A Molehill Out Of A Blair Mountain: The Erasure Of Heritage And Landscape In The***

***Southern Appalachian Coalfields*** Christa Smith (Clemson University) and Margaret Gripshover

(Western Kentucky University)

***NCGE-GeoCamp Iceland: Transforming Professional Development In Geography Education*** Ellen

Foster (University of Mississippi) and Carol Sawyer (University of South Alabama)

***Role Of Religious Demography In Northern Ireland*** Ron Roman (CUNY-Hunter College)

***Settlement And The Cost Of Being On The Water's Edge Of The Gulf Of Mexico*** Skeeter Dixon

(University of Southern Mississippi)

***Tell 'Em Where We're From, Y'all!: A Spatial Autocorrelation Of Incoming University Of North***

***Alabama Students*** Kathryn Kelsoe (University of North Alabama)

***The Oyster Trail*** Regina Kirkland (University of South Alabama)

***The Wooden Folk Houses Of Eastern Europe And Their American Counterparts*** Scott Brown

(Francis Marion University)

***Warning Coordination Meteorologists' Perceptions About Social Science Issues*** Kathleen Sherman-

Morris and Holly Lussenden (Mississippi State University)

***Web-Based Apps For Citizen Engagement: A PGIS Approach*** Jordan Niedzwiecki (University of North

Alabama)

## 12:00pm-1:00pm

### LUNCH

On your own  
Stand-Alone Geographers Lunch in Salon C

## 1:00pm - 3:00pm

### PAPER SESSION

Rivers

### Historical Geography

Chair: Jessey Gilley, Lincoln Memorial University

- 1:00     ***G.K. Chesterton: Reflections On Misunderstanding Foreign Places*** Jessey Gilley (Lincoln Memorial University)
- 1:20     ***Developing A GIS App To Build A Historical Database And Allow For A Self-Guided Cemetery Tour*** Jennifer LeBlanc and Yongqin Zhang (Delta State University)
- 1:40     ***Historical Geographies Of The African American Experience: Analyzing Museums' Changing Narratives*** Matthew Cook (Eastern Michigan University)
- 2:00     ***Changing Boundaries Of The National Park System*** Joe Weber (University of Alabama)
- 2:20     ***Extracting Quantitative Data From Historical Records*** Gregory Burris, James Elsner, and Ronald Doel (Florida State University)
- 2:40     ***Patrick Geddes: Regional Geographer And City Planner*** Thomas F. Howard (Armstrong State University (retired))

### PAPER SESSION

Coastal

### Economic Geography II

Chair: Andy Walter, University of West Georgia

- 1:00     ***Geographies Of The Sports Business: An Analysis Of Space And Place In The Industry's Primary Trade Journal*** Andy Walter (University of West Georgia)
- 1:20     ***Maritime Exposure And Economic Prosperity: Why Location Matters*** Jesse M. Lane (University of North Carolina at Greensboro)

- 1:40 ***Geographical And Chronological Patterns In The Sales Of Mississippi Saltwater Fishing And Seafood Licenses From 2000 To 2015*** Benedict Kit A. Posadas, Jr. (Mississippi State University)
- 2:00 ***The Gulf South "Blue Economy": Sustainable Regional Development, Or Just A Bucket Of Chum?*** Mark M. Miller and Chad R. Miller (University of Southern Mississippi)

PAPER SESSION

Delta

## **Applications of Geospatial Techniques and Technologies : Physical Systems**

Chair: Dr. Amelia A.A. Fox, Mississippi State University

- 1:00 ***Meeting Spatial Challenges In Agriculture*** Dr. Amelia A.A. Fox (Mississippi State University)
- 1:20 ***Geospatial Applications Of A Tree Pest And Disease Vulnerability Model On Street Trees In Washington DC*** Laura Smith (University of Tennessee), Sunshine Brosi (Frostburg State University), Earl Eutsler (Washington DC Urban Forestry Administration), and John Churchill (Frostburg State University)
- 1:40 ***Utilizing Geospatial Cloud Computing For Enhanced Global Monitoring And Mapping Of Cyanobacteria Harmful Algal Blooms*** Sam Weber (University of Georgia)
- 2:00 ***Modelling Erosion Potential Using AHP Methods And GIS*** John Cartwright (Mississippi State University, Geosystems Research Institute)
- 2:20 ***Groundwater Depletion and Drought Frequencies: A Global Analysis*** Aynaz Lotfata and Shrinthi Ambinakudige (Mississippi State University)

PAPER SESSION

Salon B

## **Special Session: Applications in Dendrochronology**

Organizers: Henri D. Grissino-Mayer and Maegen L. Rochner, The University of Tennessee

Chair: Maegen L. Rochner, The University of Tennessee

- 1:00 ***Coastal Dendrochronology: An Overview And Perspectives From Ecology*** Clay Tucker (Louisiana State University)
- 1:20 ***History Of The Deason House, Jones County, Mississippi As Told By Proxies*** David Holt (University of Southern Mississippi), Grant Harley (University of Idaho), Justin Maxwell (Indiana State University), and Christopher Speagle (University of Southern Mississippi)

- 1:40 ***Tree-Ring Records Of Flooding In The Mississippi Basin*** Matthew Therrell (University of Alabama), Jonathan Remo (Southern Illinois University) Emily Elliot, James Rivers (University of Alabama), and Margaret Bialecki (University of Minnesota)
- 2:00 ***Longleaf Pine Cone–Radial Growth Relationships In The Southeastern U.S.*** Thomas Patterson (University of Southern Mississippi) and Paul Knapp (University of North Carolina at Greensboro)
- 2:20 ***Tree-Ring Dating Of Timbers From The Gonzalez-Alvarez And Tovar Houses, St. Augustine, Florida, USA*** Henri D. Grissino-Mayer and Maegen L. Rochner (University of Tennessee, Knoxville)

PAPER SESSION

Salon A

## Physical Geography II

Chair: Joann Mossa, University of West Florida

- 1:00 ***Studies Of Habitat Selection By American Beavers In Northern Alabama Using Space-Time Models And Remote Sensing*** Guiming Wang, Lance F. McClintic, and Tony Francis (Mississippi State University)
- 1:20 ***Sand Bar Shrinkage And Vegetation Growth Following Decades Of Disturbance, Middle Apalachicola River*** Joann Mossa and Yin-Hsuen Chen (University of Florida), Scott Walls (Walls Land and Water, LLC), and G. Mathias Kondolf (University of California, Berkeley)
- 1:40 ***Extensive Anthropogenic Sediment In A Small, Southeastern Piedmont Watershed: Chicken Creek, Fairfield County, South Carolina*** Tyler Dearman and L. Allan James (University of South Carolina)
- 2:00 ***The Nature Of Dissolved Organic Matter and Its Effect On Biogeochemical Cycling Of Toxic Trace Metals In Weeks Bay Estuary*** M.S. Sankar, P. Dash, V. Paul, S. Singh, J. Varco, and J.R. Rodgers (Mississippi State University), Y. Lu (University of Alabama), Z. Arslan (Jackson State University), and S. Phipps (Weeks Bay National Estuarine Research Reserve)
- 2:20 ***A Stratigraphic Pollen Record From A Late Pleistocene Cypress Forest, Northern Gulf Of Mexico Continental Shelf*** Andy Reese (University of Southern Mississippi)
- 2:40 ***Impact of Hurricane Joaquin on Invasive Australian Pine Populations (Casuarina equisetifolia) in the Bahamas*** John Rodgers (Mississippi State University)

PAPER SESSION

Pine

## Geography of Health and Safety

Chair: Eric Delmelle

- 1:00 ***Health Insurance And The Geography Of Health Access In Mississippi*** Sam Miller (University of Southern Mississippi)
- 1:20 ***Zika In Colombia: Space-Time Signatures Of An Epidemic On The Move*** Eric Delmelle, Ari Whiteman (University of North Carolina at Charlotte) and Irene Casas (Louisiana Tech)
- 1:40 ***Measuring Access To Health Care In West Virginia*** Jamison Conley, Bradley Wilson, Insu Hong, Colin Lopez, and Thomson Gross (West Virginia University)
- 2:00 ***Winter Weather Hazards: Injuries And Fatalities Associated With Snow Removal*** Christa Haney (Mississippi State University)
- 2:20 ***Assessment Of Personal Heat Exposure Among Grounds Management Workers In The Southeast USA*** Chris Fuhrmann (Mississippi State University), Margaret Sugg (Appalachian State University), and Jennifer Runkle (North Carolina State University)

PAPER SESSION

Foothills

## Graduate Honors Papers – Master’s

Organizer: SEDAAG Honors Committee

Chair: Amy Potter, Armstrong University

- 1:00 ***A Climatological Comparison Of Convective And Non-Convective High-Wind Events In The Eastern United States During 1973-2015*** Victoria Murley (Western Kentucky University)
- 1:20 ***Four Blocks From The French Quarter: Sharing, Authenticity, And The Relational Geography Of Airbnb*** Ian Spangler (University of Kentucky)
- 1:40 ***Analysis Of Agricultural Drought Occurrence In Kenya Using MODIS Data*** Donald Akanga (University of North Alabama)
- 2:00 ***Influence Of Large-Scale Atmospheric Patterns On The Winter Climate Of The Southern Appalachian Mountains*** Montana A. Eck (Appalachian State University)

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## 3:00pm - 5:00pm

PAPER SESSION

Black Prairie

## Water, Rivers, and Watersheds

Chair: Sarah Praskievicz, University of Alabama

- 3:00 ***Hydrologic Classification Of Rivers Based On Cluster Analysis Of Dimensionless Signatures*** Sarah Praskievicz and Cehong Luo (University of Alabama)

- 3:20 ***Geospatial Analysis Of Watershed Stream Quality And Treatment Cost*** Yongqin Zhang and Blake Davis (Delta State University)
- 3:40 ***Remote Sensing Analysis Of Severe Weather Impacts On Water Quality*** **Nicholas J. Sokol** (University of South Carolina)
- 4:00 ***A Spectroscopic Study Of Dissolved Organic Matter Under Storm Flow Conditions*** Prakash Adhikari, Padmanava Dash, MS Sankar, Supriya Nagpal, Nava Sudedi, and Gombojav O. Ariunbold (Mississippi State University)

PAPER SESSION

Salon A

## **Special Session: Honoring the Career of Gerald Webster**

Organizer: Jonathan Leib, Old Dominion University

Chair: Jonathan Leib, Old Dominion University

- 3:00 ***Gerald Webster and The Political Geography Of The American South*** Jonathan Leib (Old Dominion University)
- 3:20 ***Splitsville, USA: Reexamining American Secession Movements In The 21st Century*** Timothy Kidd (Old Dominion University)
- 3:40 ***People's Choice Or Partisanship?: Constitutional Amendments, Legal Battles, And Wasted Votes In The Sunshine State*** Nicholas Quinton (Florida State University and political consultant)
- 4:00 ***The Asian American Vote in the 2016 U.S. Presidential Election*** Daniel McGowin (Jacksonville State University)
- 4:20 ***Fusing Social Theory and Quantitative Approaches: An Example Analysis Of Plasma Collection In The United States*** Matthew Balentine (University of North Carolina at Greensboro)
- 4:40 ***"Dragon At The Gate": The Use Of Voter ID Laws To Identify "Non-Users" Of Archives And Libraries*** Miranda Webster (University of Alabama)

PAPER SESSION

Coastal

## **Urban Space and Specialities**

Chair: Russell Smith, Winston-Salem State University

- 3:00 ***Binary Bathrooms And Non-Binary Populations*** Rachael Cofield and Petra Doan (Florida State University)

- 3:20 ***Urban Extensions In The England: Sustainable Urban Development Or Suburban Sprawl?*** Russell Smith (Winston-Salem State University)
- 3:40 ***Rescinding A Bid: Stockholm's Uncertain Relationship With The Olympic Games*** Erik Olson, Robert Oliver, Luke Juran, and Korine Kolvras (Virginia Tech)
- 4:00 ***Immigrant Integration, Inclusion, and Receptivity In Welcoming Cities In The U.S. South*** Paul N. McDaniel (Kennesaw State University)
- 4:20 ***Light Rail Transit and Neighborhood Change*** Elizabeth C. Delmelle and Isabelle Nilsson (University of North Carolina at Charlotte)
- 4:40 ***Suburbanization and The Making Of Atlanta As The 'Black Mecca'*** Katherine Hankins (Georgia State University) and Steve Holloway (University of Georgia)

PAPER SESSION

Pine

## **Applications of Geospatial Techniques and Technologies: Human Systems**

Chair: Roshan Mark, University of North Alabama

- 3:00 ***Urban Change Detection Through Nighttime Light, Imagery And NDVI-Data Fusion*** Roshan Mark and Singh Matharu (University Of North Alabama)
- 3:20 ***Understanding Demographic And Socioeconomic Bias Of Twitter Users At Local Level*** Yuqin Jiang and Zhenlong Li (University of South Carolina)
- 3:40 ***Best Practices Of The New And Updated North Carolina State And Local Government GIS Metadata Profile*** Craig Pederson and Timothy Mulrooney (North Carolina Central University)
- 4:00 ***The Use and Application Of The Raster GIS Data Model In The Study Of Food Deserts And Food Swamps In North Carolina Affiliation*** Timothy Mulrooney, Chris McGinn, Byron Ifediora, and Richard Madumere (North Carolina Central University)
- 4:20 ***Estimating Populations Of Third World Countries For Aid Relief Using Geospatial Technologies*** Amy Ward and Yongqin Zhang (Delta State University)
- 4:40 ***Best Practices Of The New And Updated North Carolina State And Local Government GIS Metadata Profile*** Craig Pederson and Timothy Mulrooney (North Carolina Central University)

PAPER SESSION

Foothills

## **Geographies of Food and Drink**



Chair: Caitlin Finlayson, University of Mary Washington

- 3:00 ***Planning A Mobile Farmers' Market In Fredericksburg, VA*** Hallie Heinzen (University of Mary Washington)
- 3:20 ***(Im)Perfect Food: A Visual Analysis Of The Ugly Food Movement*** Caitlin Finlayson and Kathleen Boston (University of Mary Washington)
- 3:40 ***Southern Foodways In The Classroom and Beyond*** Catarina Passidomo, William Braswell, Elizabeth Campbell, Victoria De Leone, Joseph Green, Miller Meyers, and Kevin Mitchell (University of Mississippi)
- 4:00 ***Local Lagers And Area Ales: Independent Brewing And The Construct Of Local*** Caleb Smith (University of Southern Mississippi)
- 4:20 ***Winegrape Variety Zones In The Southeastern U.S.*** John W. Nowlin (University of North Carolina at Greensboro)

PAPER SESSION

Rivers

## **Hazards, Risk, and Vulnerability**

Chair: Ronald L. Schumann III, University of North Texas

- 3:00 ***The Evolution Of Gathering Places In Disaster Recovery: Initial Findings From Hurricane Harvey*** Ronald L. Schumann III (University of North Texas)
- 3:20 ***Risk Assessments And Mapping For Universities: Hazard Mitigation In Higher Education*** Andrew Joyner, William Tollefson, Joseph Harris, and Andrew Worley (East Tennessee State University)
- 3:40 ***Physical And Social Characteristics Of Nocturnal Tornado Risk And Vulnerability In Tennessee*** K N. Ellis and L. R. Mason (University of Tennessee)
- 4:00 ***Is The Term "Tornado Valley" A Better Tool Than "Tornado Alley"?*** P. Grady Dixon (Fort Hays State University)
- 4:20 ***Patterns In Tornadic Storm Modes In The Tennessee Area And Potential Implications For Forecasters*** Daniel A. Burow, Kelly N. Gassert, Kelsey N. Ellis, Lisa R. Mason, and MonTrè D. Hudson (University of Tennessee, Knoxville)
- 4:40 ***Using The Analytical Hierarchy Process (AHP) As A Data Integration Tool In Examining The Vulnerability Of The Natural System At Five Villages In Mt. Kasigau, Kenya*** Njoro Gathongo and Liem Tran (University of Tennessee)

PANEL SESSION

Delta

## **Special Session: “In order to see the blues all ‘round”: Honoring Clyde Woods**

Organizers: LaToya Eaves, Middle Tennessee State University & Brian Williams, The University of Georgia

3:00 **Panelists** Rosalind Harris, University of Kentucky; Hilda Kurtz, The University of Georgia; Priscilla McCutcheon, University of Louisville; C. Sade Turnipseed, KHAFRE Inc.

POSTER SESSION

The Gallery

## **Physical Geography**

***A Total Alkalinity Algorithm For Northern Gulf Of Mexico*** Madhur Devkota and Padmanava Dash (Mississippi State University)

***Analysis Of Suspended Particulate Matter Concentrations In Weeks Bay, Alabama Using Landsat Imagery*** Devon Flickinger (Mississippi State University)

***Benefits Of GOES-16 ABI Observations For Hurricanes Impacting The Southeast U.S.*** Matthew Holliday and Kimberly Wood (Mississippi State University)

***Brush Creek Citizen Scientist Project: Community Stage Data Collection In Johnson City, TN.*** Ingrid Luffman and Victoria Anderson (East Tennessee State University)

***Changes In The Spatial Patterns Of Precipitation Bands In Tropical Cyclones During Landfall Along The Gulf Of Mexico And Atlantic Coasts Of The United States*** Jessica Kirkland and Stephanie Zick (Virginia Tech)

***Climate Effects On Tennessee Sinkholes - A Spatial Logistic Regression Approach*** Kimberly Blazzard, Andrew T Joyner, and Ingrid Luffman (East Tennessee State University)

***Detecting Sinkholes With Potential For The Deposit Of Paleoflood Sediments In The Upper Mississippi River Basin*** Bridgette Fritz, Liem Tran, Sally Horn, and Larry McKay (University of Tennessee, Knoxville)

***Diagnosing Significant Magnitude And Spatial Field Differences Governing Rapid Intensification Of Tropical Cyclones*** Alexandria Grimes and Andrew Mercer (Mississippi State University)

***Evidence Of Stream Migration Near Sparta, Mississippi*** Rayford Parnell and Darrel Schmitz (Mississippi State University)

***Examining The Effect Of Multiple Co-Occurring Tree Species On Mean Sensitivity In Dendrochronology*** Andrew Matej (University of North Carolina at Greensboro)

***Feasibility And Accuracy In Using Low-Cost Unmanned Aerial Vehicles To Monitor Hillslope Erosion*** Yingkui Li, Xiaoyu Lu (University of Tennessee), and Xuwei Li (Farragut High School)

***Fire Regime And Post-Fire Recovery Of Boreal Forests In The Greater Xing'an Mountains, Northeast China*** Susan Wang (University of South Carolina)

***Floodplain Inundation Response To Flows, Sipsey River, Alabama*** Deepa Gurung and Sarah Praskievicz (University of Alabama)

***Investigation of paleo extreme river flooding occurrence through dendrochronological reconstruction – Bucks Pocket State Park*** James M. Rivers, Matthew Therrell, and Emily Elliott (The University of Alabama)

***Influence Of The North Atlantic Subtropical High On Eastern U.S. Rainfall Variability*** Jared White and Jason Ortegren (University of West Florida)

***Late Holocene Fire History From Wetland Sedimentary Charcoal In The Central Valley Of Costa Rica*** Jacob A. Cecil, Sally P. Horn, Mathew S. Boehm, Luke R. Blentlinger (University of Tennessee, Knoxville), and Erik N. Johanson (Florida Atlantic University)

***Local-Scale Estuarine Habitat Restoration And Nekton Community Response In Lake Worth Lagoon, Florida*** Scott Markwith (Florida Atlantic University), Richard Paperno (Florida Fish & Wildlife Conservation Commission, Fish & Wildlife Research Institute), Erin McDevitt (Florida Fish & Wildlife Conservation Commission, Habitat and Species Conservation), and James Whittington (Palm Beach County Department of Environmental Resources Management)

***Machine Learning Of Large-Scale Spatial Distributions Of Wild Turkeys In Mississippi*** Guiming Wang, Annie Davis, Jerrold L. Belant, Scott Rush (Mississippi State University), James A. Martin (University of Georgia), Adam B. Butler (The Mississippi Department of Wildlife, Fisheries, and Parks), and Dave Godwin (Mississippi Forestry Association)

***Modeling Lateral Connectivity Of The Slough System In Mid-Appalachicola River*** Yin-Hsuen Chen and Joann Mossa (University of Florida)

***Oceanic Influences On Southeastern United States Tornado Variability*** Tyler Mitchell (University of North Carolina at Greensboro) and Jason Ortegren (University of West Florida)

***Phylogenetic Diversity Of Invasive Macrophytes In North American Lentic Systems*** Chandler White and Jonathan Fleming (University of North Alabama)

***Preliminary Analysis Of Solar Eclipse Induced Internal Gravity Waves*** Michael Stewart and April Hiscox (University of South Carolina)

***Proxy Analyses Of Wetland Sediments In Costa Rica*** Luke Blentlinger, Sally Horn, Matthew T. Kerr, Mathew S. Boehm, Jacob A. Cecil (The University of Tennessee, Knoxville), Erik N. Johanson (Florida Atlantic University), and Chad S. Lane (University of North Carolina Wilmington)

***Quantifying Growth Rate Of Balsam Fir (Abies Balsamea) For Analyzing A Trophic Relationship, Isle Royale National Park, Michigan, U.S.A.*** Zachary Merrill and Henri Grissino-Mayer (University of Tennessee)

***Review Of Captive Elephant Welfare And Management In Jaipur, India: A Study To Identify The Gaps In The Management Practice Of The Captive Elephants*** Ayan Sasmal, Shrinidhi Ambinakudige (Mississippi State University), and Surendra Varma (Asian Nature Conservation Foundation, NGO)

***Sub-Surface Conduit Flow In A Coastal Plain Watershed*** Jacqueline Gallagher, Joseph Nicholas, and Brandon Kern (University of Mary Washington)

***Surface And Temporal Analysis Of Intense Precipitation Events In The Southeastern USA*** Walker Skeeter (University of Alabama)

***Tracing A Geography Of Xenophobia In Sweden*** Jenny Berggren (University of North Carolina at Greensboro)

