



**8th Southern Forestry and Natural Resource Management GIS Conference
Athens, GA**

Sunday, December 11

6:00-8:00 PM ***Welcome Reception***

Monday, December 12

8:00-9:00 AM ***Keynote Presentation: Emerging spatial technologies***
Michael Wing (Oregon State University)

Remote Sensing Applications

Inventory and Investment Applications

9:00-9:30 *Remote sensing of forest health indicators for assessing change in forest health*
Michael Crosby and others
(Mississippi State University, U.S. Forest Service)

Tablet GIS – Today’s mobile access to forest investment information
Elizabeth Martinez
(The Forestland Group)
Russell Combs
(Orbis GIS)

9:30-10:00 *Sub-pixel classification of forest cover types*
Joey Westbrook and others
(Stephen F. Austin State University)

SilvAssist – An affordable, sensible and streamlined approach to forest inventory data management
Mark Milligan and Paul Shepard
(LandMark Systems)

10:00-10:30 *Remote assessment of Georgia's forest inventory*
Roger C. Lowe III and Chris Cieszewski
(University of Georgia)

Forest inventory tools for ArcGIS 10
Tim Clark
(ESRI)

10:30-10:45 ***Refreshment and Networking Break***

Invasive Species Analyses

Recreation, LiDAR Developments

10:45-11:15 *Spatial patterns of tallow tree using geospatial models in southern forest lands at the plot and county level*
Yuan Tan and Joseph Fan
(Mississippi State University)

ArcGIS Server supports the distribution and spatial management of the Recreational License Management System (RLMS)
Rose Kearney
(Orbis GIS)

11:15-11:45	<i>GIS and GPS technology in invasive species programs: The Alabama cogongrass control center</i> S.D. Pecot and others (Larson & McGowin, Inc.)	<i>Development of a LiDAR-based forest inventory and decision support tool</i> Kevin Lim (Lim Geomatics)
11:45-12:15	<i>Using GIS to integrate FIA and remotely sensed data to estimate the invasibility of major forest types by non-native invasive plants in the Upper Midwest, USA</i> Zhaofei Fan and W. Keith Moser (Mississippi State University, U.S. Forest Service)	<i>LiDAR analysis in ArcGIS 10 for forestry applications</i> Tim Clark (ESRI)
12:15-1:15 PM	<i>Lunch and Networking Hour</i>	
	<i>Land Use Applications</i>	<i>Management Applications</i>
1:15-1:45	<i>Contemporary land use types determine soil organic stocks in the upstream catchment of Nile Basin, South-West Rwanda</i> John E. Wasige and others (Twente University, Makerere University)	<i>Orbis LITASsm supported by ArcGIS Server technology</i> Clarence Neese (Orbis GIS)
1:45-2:15	<i>Avian community composition and nest predation in suspended development: disentangling the structural and human impacts of urbanization</i> Camille Beasely and Jeffrey Hepinstall-Cymerman (University of Georgia)	<i>Georgia Resource and Information Tracking System (GRITS)</i> Rebecca Seago-Coyle (ESRI)
2:15-2:45	<i>Using precision GPS to examine American Oystercatcher nest elevation in relation to the tide</i> Thomas Williams and others (Clemson University)	<i>Inherent bias in kNN classification</i> Chris Cieszewski and others (University of Georgia)
2:45-3:15	<i>Using GIS to develop a sampling scheme for assessing the effects of land use on the condition of geographically isolated wetlands in the Dougherty Plain, Georgia</i> O.S. Stuber and others (University of Georgia)	<i>Rapid assessment of hurricane damage to support forest investment decisions</i> Gerhard Sehnalek (Orbis GIS)
3:15-3:30	<i>Refreshment and Networking Break</i>	

	Modeling in GIS	GIS Software, Databases, and Uses
3:30-4:00	<p><i>Application of a smoke model for prediction of impacts from prescribed burning</i></p> <p>Robert Bernier and others (Virginia Tech)</p>	<p><i>Open source desktop GIS solutions for the not-so casual user</i></p> <p>Roger C. Lowe III (University of Georgia)</p>
4:00-4:30	<p><i>Development of spatial models to estimate current ecological conditions and to prioritize management activities on the National Forests in Florida</i></p> <p>Jason Drake and others (U.S. Forest Service)</p>	<p><i>Choosing a GIS</i></p> <p>Matt Hamilton (American Forest Management)</p>
4:30-5:00	<p><i>Characterization of capuchin monkey routes using fractional cover derived from spectral mixing modeling</i></p> <p>Allison Howard Eury and others (University of Georgia)</p>	<p><i>Using geodatabases to support a programmatic research agenda for connectivity at broad spatial scales</i></p> <p>Ryan Malloy and Nathan Nibblelink (University of Georgia)</p>
5:00-5:30	<p><i>Estimation of deciduous competition in pine plantations with Landsat</i></p> <p>Christine E. Blinn and others (Virginia Tech)</p>	<p><i>GIS development and use in China</i></p> <p>Tang Mengping (Zhejiang A&F University)</p>

5:30-6:30 PM **Reception (Bar and light refreshments, not a dinner)**

Tuesday, December 13

	Natural Resource Management Research (I)	Natural Resource Management Research (II)
8:00-8:30 AM	<p><i>A simulation study of forest dynamics under different forest management and natural disturbance scenarios along the Gulf of Mexico region</i></p> <p>Zhen Sui and Zhaofei Fan (Mississippi State University)</p>	<p><i>Challenges of using Landsat 7 ETM+ imagery to identify plantable areas with potential for increasing carbon sequestration in urban areas</i></p> <p>Krista Merry (University of Georgia)</p>
8:30-9:00	<p><i>Pre and post-fire assessment of tree island resources in the southern Everglades marl prairies</i></p> <p>Pablo L. Ruiz and others (Florida International University)</p>	<p><i>Evaluating wildlife-habitat relationships using unclassified remote sensing data in a southern Appalachian landscape</i></p> <p>Ron Davis and others (Western Carolina University)</p>

9:00-9:30	<i>Monitoring the effects of climate on Southern Appalachian forest phenology</i> Thomas J. Prebyl and Jeffrey Hepinstall-Cymerman (University of Georgia)	<i>Determining the relative vulnerability of forests to tropical cyclones</i> Pete Bettinger and Krista Merry (University of Georgia)
9:30-10:00	<i>Relationships between water availability and primary productivity of terrestrial ecosystems in the southeastern United States</i> Sergio Bernardes and Marguerite Madden (University of Georgia)	<i>Estimating geographic extent of wetland hydrology criteria within a drained pocosin using well data and GIS</i> Thomas Williams and N. Boatwright (Clemson University)
10:00-10:15	<i>Refreshment and Networking Break</i>	
<i>LiDAR and Visualization Research</i>		
10:15-10:45	<i>Generating and evaluating levels of realism and detail in 2D maps and 3D geovisualizations for southern pine beetle management practices</i> Chiao-Ying (Jill) Chou and others (Clemson University, University of Georgia)	
10:45-11:15	<i>GIS visualization augments analysis: Geovisualization explains use of space by capuchin monkeys in Atlantic rainforest, Brazil</i> Andrea Presotto and others (University of Georgia)	
11:15-11:45	<i>LiDAR analysis of forest structure related to landuse legacy at coastal Georgia Wormsloe State Historic Site</i> Carey Burda and others (University of Georgia)	
11:45-12:15	<i>Airborne LiDAR and orthoimagery for applications in southeast National Parks and Forests</i> Thomas Jordan and others (University of Georgia, Gainesville State College)	
12:15 PM	<i>Closing Remarks and Awards</i>	