

2019 NC GIS Conference -- DRAFT Program						
As of December 21, 2018; 10:00 am						
	Room 1	Room 2	Room 3	Room 4	Room 5	Room 6
Wed Feb 27						
7:30am	Registration and Cont. Breakfast					
8:00am						
8:30am	Digital geographies: the expanding role of technologies in Geography -- Rouse, Jesse	How unique (search) is your widget? -- Blair, Michael	Is Your Data Ready for 3D? -- Tripp Corbin			
9:00am	Opening Plenary (9:00-10:15). Orientation to the Conference; Value of GIS Before, During, and After Hurricane Florence					
9:30am						
10:00am	Break (10:15-10:30)					
10:30am		Geoaccounting: Helping Cities understand their finances with GIS -- McCarty, Josh	Panel: Hurricane Florence Experiences State Panel, include 3891, Dan Madding, Colleen Kiley, Jeff Brown, Amy/Cam/Dean, John Farley	Implementation of a sUAS "Drone" Services Program at the Local Government Level -- Schweitzer, Trey	Facilitating the New Statewide GIS Metadata Standard Through Training and Outreach -- Mulrooney, Timothy	
11:00am	Using GIS to maintain Annexation History -- Elkins, Richard	Redefining The Tax Appraisal Process -- Willems, Todd		OpenDroneMap State of the Art -- Mather, Stephen	Metadata cookbook - Lucy Brady	
11:30am	Lunch on your own					
12:00 PM						
12:30 PM						
1:00 PM						
1:30pm	Wait, Wait, Tell Me! -- Duncan, Corinne	Mapping Wake County Private Wells in Realtime -- Lowery, Wright	Community Outreach (Person County) -- Wynne, Zack	Predictive modelling of anthropogenically-enhanced Phragmites australis invasion -- Baxley, Joseph	GRASS GIS: Getting Started -- Petras, Vaclav	Economics of Hurricane Florence --
2:00pm	Redistricting software: a new generation of geospatial tools. -- Esselstyn, Blake	Advanced Techniques for Implementing Field GIS Data Collection -- Spraker, Larry	Panel: Share Local Government Infrastructure Data? or Not? Why? -- Brown, Jeff	Investigating the transition from freshwater to saltwater wetlands in southeastern North Carolina using GIS, remote sensing, and state-and-transition simulation software -- Magolan, Jessica	GRASS GIS: What's New -- Petras, Vaclav	Hurricane Florence: Using Smartsheet to Deliver Dashboards and GIS for Airport Status and UAS Missions -- Clowes Lowery, Ashley
2:30pm	GIS and Mapping Racial Equity in Asheville, North Carolina -- McNamara, Christen	Mobile Data Collection Projects at NCDOT -- Shepard, Stephen		Land Cover and Change Comparison in Coastal North Carolina -- Herold, Nate		State Perspective from Emergency Management on GIS during events -- Ross, Watson
3:00pm	Break					
3:30pm	It's Complicated: The spatial relationship between wealth and flood risk -- Edwards, Jeffrey	Navigating the Geospatial Open Source Software Landscape -- Petras, Vaclav	Panel - What are GIS Employers looking for? -- Belcher, Andy	GIS for Leaders: Seven Elements of a Successful Enterprise GIS -- Carnow, Adam	Award-winning students	Hurricane Florence - The Cloud's Silver Lining -- Smith, Wendee B

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4:00pm	Vegetation Mapping for the Teddy Roosevelt Natural Area -- Howe, Kasey	COTS or Open Source: Why Choose Just One? A Hybrid Approach to Custom GIS Applications -- Daniels, Anthony		Data Management Tool (DMT): How a Web-based Application Helps to Manage and Inventory Multiple Internal, Private and Public Geodatabases, Map Services and Online Items Throughout an Enterprise -- Blair, Michael	Award-winning students	DEQ's Incident Tracking and Response Tools: Hurricane Florence and Beyond -- Axon, Amy
4:30pm	Habitat Change Analysis in a Barrier Island from Multi-Temporal Color Infrared Imagery -- Velasquez Montoya, Liliana	Building an Open Source Server -- Hale, Randal	How to quickly validate your next web app -- Michelson, Dave		Award-winning students	GIS Data and Hurricane Florence -- Wilson, Alice
5:00pm	Social and Poster Session					
Thurs Feb 28						
7:30am	Registration & Cont. Breakfast					
8:00am						
8:30am	Construction of Landscape Level QL2 LiDAR Data -- Newcomb, Doug	Wake County Park Locator: Every Park in Wake at your Fingertips -- Vickery, Carter	GIS: ESRI, Google, Open Source or? -- Cesur, Durmus	North Carolina Broadband Mapping -- Shelton, Ben	Award-winning students	
9:00am	Asset Inventory Using High Density Lidar Data collection -- Brock, Allen	Meeting Citizens where they are -- Foley, Chad	Pitney Bowes (MapInfo) interoperability of software and data with Open Source, ESRI, and other 3rd party vendors -- Peebles, Cary	Statewide GIS Collaboration -- Brown, Jeff	Award-winning students	What's the Status of the GISP Program? -- Bill Hodge
9:30am	Break					
10:00am	NC Orthoimagery Program Derived Products -- Shelton, Ben	Burke County Quality of Life Explorer -- Stroupe, Todd	Panel: Is it GIS Practice, Professional Land Surveying, or Not Sure? -- Brown, Jeff	The 2020 Census: Geographic Partnership Opportunities -- Cline, David	Award-winning students	New Open Source Tool for Plant Pest and Pathogen Spread Modeling -- Petras, Vaclav
10:30am	What's new in hydrography and elevation -- Terziotti, Silvia	InVision Raleigh: Visualization of alternative futures -- Baran, Perver			Award-winning students	Flood Extent Mapping using a Deep Learning Method -- Gebrehiwot, Asmamaw
11:00am	A new national spatial database of inter-basin surface water transfers -- Dobbs, Rebecca	Capital Improvement Projects Dashboard -- Young, Kristyn			Award-winning students	Going Serverless -- Michelson, Dave
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1:30pm	Lidar, state of the State -- Lay, John	Implementing an Operations Dashboard for ArcGIS: A Case Study -- Rothrock, Kent	Let's not waste time counting cars: an IoT and TensorFlow solution -- Foley, Chad	Implementing a Multi-Jurisdiction Enterprise Master Address Repository - Hunt, David	Award-winning students	
2:00pm	USGS -- Federal input on collections and standards	Implementation Portal for ArcGIS Lessons to Learn -- Li, Alex	Traceability and Transparency in Transportation Planning with GIS -- Meyer, Caitlyn		Award-winning students	PrecisionAg / UAS -- Jason Ward
2:30pm	Citizen Science - Processing LiDAR data at Home to compare to the NLCD -- Doug Newcomb	ArcGIS Enterprise in the Cloud: Hosted and Managed Strategies -- Peloquin, Wendy	TOP3S Improving the Transportation Capital Improvement Process -- Chamberlain, Austin		Award-winning students	Spatializing UAS Legislation by Municipality in the State of North Carolina -- Mulrooney, Timothy
3:00pm	Break					
3:30pm	Use of sUAS for Flood Modeling, Mapping and Management -- Jones, Jeffrey	Achieving Enterprise-Wide Success in Asset Management -- Sherman, Peter	Building Robust Routing Datasets and Implementing Mobile Navigation Workflows -- Dongre, Arjun	NextGen 911 -- Pokey Harris	Award-winning students	Data Driven Policing: Utilizing GIS for More Effective Patrols -- Clodfelter, Jason
4:00pm	Using a time series of 3D crop canopy models derived from sUAS imagery to identify geomorphic patterns related to crop stress -- Montgomery, Kellyn	Preparing Your Team for Asset Management -- Sheldon, Sarah	Utilizing GIS to Streamline Noise Analysis -- Demcher, Jaret	Preparing for NextGen911: A Regional Approach -- Peloquin, Wendy	Award-winning students	State Emergency Response Application -- Morgan, Hope
4:30pm	Beyond Points and Pixels: Stereo Comp from UAS -- Stallings, Christian	NCDOT Project ATLAS - Modernizing Project Delivery -- Wilson, Eric	Automating Right of Way Cost Estimation through Python Scripting -- Hutchinson, Jonathan		Award-winning students	Unlock The Power of GIS Spatial Analysis: How to Use Population Data and Analytics to Target Future Needs for Emergency Medical Services (EMS) -- Davis, Robert
5:00pm	Special Interest Group Meetings					
5:30pm						
Fri Mar 1						
8:30am						
9:00am	National Spatial Reference System (NSRS) Modernization -- Lokken, Scott	Connect 2045 & Beyond - GIS-Based Scenario Planning In The Triangle Region Using CommunityViz -- Bearden, Benjamin	NCDOT Panel: Statewide GIS data issues	Geo For All: Blending OER, Open Data and FOSS in GIS Education -- Abernathy, David	Award-winning students	Use of Mobile Data Collection in Large Scale UAS Operations in US Virgin Islands Disaster Relief Areas -- Nanney, Matthew
9:30am	NC Impact of the 2022 Datum Conversion -- Thompson, Gary	Creating Urbanization Scenarios with the FUTURES Model - Petras, Vaclav		Using GIS to conduct undergraduate meteorological research -- Huang, Alex	Award-winning students	Planning Optimal UAS Flight Areas for Rare Plant Monitoring in the Blue Ridge Mountains of North Carolina -- Reckling, William

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10:30am	Public Information Story Telling with Story Maps -- Ross, Nancy	Site Rejection (and Selection) Using GIS to Support Land Development Decisions -- Cox, Greg	From Big Data Analytics to Cost Estimation - A Modern Day Enterprise GIS Utility Program -- Peloquin, Wendy	Collaboration for Geo-Innovation: NC State University Center for Geospatial Analytics and Wake County Innovation Center / GeoLab -- Vivek Nanda, Vishnu Mahesh	Award-winning students	GIS for Leaders: Seven Elements of a Successful Enterprise GIS -- Carnow, Adam
11:00am		Piedmont Triad CommunityViz: Lessons Learned from Model Development -- Van Hoeck, Matt	Teaming with Municipal Engineers for Wastewater GIS -- Bell, Tom	GIS-tice: Awakening Student Geospatial Passion and Employability through Meaningful Justice Scholarship -- Garo, Laurie	Award-winning students	Migrating to ArcGIS Pro -- Corbin, Tripp
11:30am	Growth and Change in North Carolina - What Do NC Parcels Reveal? -- Brown, Jeff	Where am I? Floor Plan application integrating multiple facilities and human resource data -- Blair, Michael	Box of Rain -- Gardner, Bryce	Applied Data Analysis and Mapping in R: Where in Western NC Do Future Increases in Streamflow and Vulnerable Communities Meet? -- Saia, Sheila	Award-winning students	Flood Inundation and Mapping Alert Network -- Langan, Tom
12:00 PM	Closing Luncheon; Herb Stout Awards; Keynote speaker					
12:30 PM						
1:00 PM						
1:30pm						