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SSAW: Herb Stout Student Award Winner

Last Up	Last Update: Mar 17, 2025 Wed Mar 19 SLGAA/W: Herb Stout Loc					Herb Stout Local Govt.	Award Applicant/Winner		
	<b>Registration</b> 7:30 a.m 10:00 a.m. <i>Coffee in Exhibit Hall</i>								
Rooms	Salem 1A Leveraging Technology in	Salem 1B Spatial Interpolation Methods to Best	Salem 2 Ballr Buffet 11:30 Located Salem 1C Optimizing Asset and Material	se of GIS Before, Dur a.m 11:30 a.m. com - Exhibit Hall Clo. Lunch (provided) a.m 1:30 p.m. d in the Exhibit Hall Salem 3A Locating Optimal Sites for Al Data	sed Salem 3B Running a 911 Address Database	Salem 3C Using Remotely Sensed Imagery for	Salem 2 Ballroom Helene Impacts and Recovery - local,		
1:30 PM	Forestry Operations Lesley Merkel (GFR Forestry Consultants)	Represent Air Quality Data in North Carolina Katelyn Hensley (NCCU; SSAW)	Management Jay Beadnell (Woolpert)	Centers for Rural Economic Development Joe Francica (CoreLogic)	in QGIS/PostGIS Randal Hale (North River)	More Frequent and Comprehensive Water Quality Monitoring in High Rock Lake, NC Leila Hashemi Beni (NCA&T)	state, federal, and other perspectives Dan Madding (NC Emerg. Mngt), Raquel Bensadoun (NCDOT), Chris Miller (Town of		
2:00 PM	Everyone's A-buzz about Survey123: Using ESRI's Form-based	The Light-bulb Tunicate: A Study of Climate Change, Invasion Ecology	GIS Innovations in Campuses Kristin Johnston & Scott Howell (KCI)	Tackling Climate Change Resiliency on the Local Level: Anne Arundel	Using Esri Hub Technologies to Dictate Water Quality Education in	Connectivity and Disruptions: Geospatial Insights on North Carolina's	Boone), Benjamin Allamong (City of Hendersonville)		
2:15 PM	Application to Make Pollinator Monitoring More Efficient Sean Doig (McCormick Taylor)	and Risk Assessment Jackson Fender (Elon; SSAW)		County Joe Knieriem (McCormick Taylor)	Eastern North Carolina Timothy Mulrooney (NCCU) & Sarah Radel (ECU)	Transportation Resilience Trung Tran (FSU)	State Government Users Committee (SGUC) SGUC Enlightening Rounds Christian Vose, Adam Blythe,		
2:30 PM	Leveraging AGOL for Stream and Wetland Mitigation Construction Management Projects Scott Gregory (Wildlands Engineering)	Spatial Connectivity Analysis Of Plethodon Nettingi Occurrences In The Monongahela National Forest, WV Sarah Stevens (UNC-W; SSAW)	GIS for Infrastructure Management Josh Lentz (SAM)	Considering Overtopping Potential for over 700 NC Dams Jacob Smith (NCDEQ)	Raleigh/Wake MAR in Action- Eliminating Data Silos & False Addresses Heather Paxson (Raleigh) & Dianne Saunders (Wake Co)	An automated method for LiDAR-derived impoundment water level elevation Doug Newcomb (USFWS) & Anna Petrasova (NCSU)	Eric Wilson, Dianne Enright, Mike Cline, Anna Stefanowicz, Gary Thompson, Dean Grantham		
3:00 PM		•	Break F	Refreshments in Ex	khibit Hall				

N	/ed	Mar	19
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Rooms	Salem 1A	Salem 1B	Salem 1C	Salem 3A	Salem 3B	Salem 3C	Salem 2 Ballroom
	Lessons Learned from Conversion of Web App Builder to Experience Builder Stacy Culpepper (NCDIT)	Exploring the Relationship Between Spatial Distribution of Residential Solar PV Arrays and Socioeconomic Factors in the Eastern Carolinas Tenesha King (FSU; SSAW)	The Why and How of Moving to UN: The Municipal Approach Wendy Peloquin & Kent Rothrock (Avineon)	Is your data ready for 3D? Preparing and Capturing Data Tripp Corbin (Cultivate Geospatial Solutions)	ATLAS Map: Expediting Project Delivery Using Geospatial Data & Analysis LeiLani Paugh (NCDOT) & Brad Wilkie (GeoDecisions)	Spatial Analysis of Racial Disparities in Prostate Cancer Mortality and Socioeconomic Determinants in NC between 2015-2020 Oluwatosin Ibrahim & Andy Egogo-Stanley (NCCU)	Local Government Committee (LGC) Enlightening Rounds Jenny Jessen, Timothy Blanchard, Jason Clodfelter, Kim Garrett, Sallie Vaughn, Kristian Forslin
4:00 PM	Utilizing machine learning to improve efficiency in big data processing Colin Flynn (Dewberry)	The Role of the North Carolina Community Information Portal for Community Engagement and Community Science in Eastern North Carolina Sarah Radel (ECU; SSAW)	Mapping Stormwater Infrastructure Connor Badgett & Sean Burke (Gannett Fleming Transystems)	Lidar Derived 2D and 3D Buildings Andrew Peters (Dewberry)	Town of Cary's Street Connectivity and GIS Coray Davis (Cary)	Publishing statewide cancer incidence rates in North Carolina at sub-county scales: preparatory steps Christian Klaus (DHHS)	
4:30 PM	Increasing GIS Resilience in North Carolina with the Cloud Jay Young (ROK Technologies)	A Virtual Walking Tour of Fountain, NC Katherine Shearin (ECU; SSAW)	Improving Sewer Rehabilitation Analysis: Using CCTV Manager in ArcGIS Pro to Process Sewer CCTV Results Mark Darwin (CDM Smith)	How GIS Aids with Understanding and Preparing for Floods Rick Wallace & Travis Schindler (NV5 Geospatial)	Prioritizing Proposed Roadway Improvements: A Data Driven Approach Tim Shortley (CAMPO)	GIS Volunteer for Western North Carolina through North Carolina Emergency Management What was I thinking? Eli Johnson (Pitt Co)	Statewide Hydrographic Mapping in North Carolina HSSD and ATLAS to NCHydro Andy Kiley (NC DWR)
5:00 PM			Social &	Poster Session in Ex	hibit Hall		

				Thurs Mar 20							
7:30 AM	Registration Continental Breakfast in Exhibit Hall										
Rooms											
8:30 AM	Leveraging Advanced Analytics and Al in Telecom Infrastructure Planning, Strategy, and Design Dustin Lillie (Olsson)	Understanding the Impact of Vehicular Incidents in North Carolina Cameron Schuler (NCCU; SSAW)	Validation and QA/QC of Voter Redistricting Results for Georgia Secretary of State using Spatial Analysis, Automation, and Web Applications Ben Masters (Blue Raster)	AddressNC Status and Reports: An Experience Builder Mapping Spree Ashton Bailey (NC CGIA)	Authoritative Tagging: Best Practices Help Users Find the Right Data Colleen Kiley (CGIA) & Melanie Williams (NCDEQ)	Addressing a new type of development: Build-To-Rent housing Dianne Saunders (Wake Co)	Into the Weeds of GRASS GIS Vaclav Petras (NCSU)				
9:00 AM	Drones 101 for GIS Practitioners Chris Breedlove (Duncan-Parnell)	Building a Successful Online Graduate GIS Certificate Program Zhiyuan (Jean) Yao (ASU)	What to do with all your geospatial data? An interactive discussion of how to handle data produced by IoT devices and other smart government sources Adam Reiser (Opendatasoft)	J	ArcGIS Indoors: Experiences and Lessons Learned with Developing Floor Aware Maps Laurel Krynock & Matthew Laska (NCSU)	2030 Census Geographic Preparations Bob Coats (NCOSBM)					
9:30 AM	Break - Refreshments in Exhibit Hall										

	Thurs Mar 20								
Rooms	Salem 1A	Salem 1B	Salem 1C	Salem 3A	Salem 3B	Salem 3C	Salem 2 Ballroom		
10:00 AM	Cultivating Climate Resilience in North Carolina Lindsey Nystrom & Matt Hutchins (Fernleaf)	Evaluating UAV-based sonar for bathymetric monitoring: a case study of Huffman bridge on Rhodhiss lake before and after Hurricane Helene Quinn Keefer (ASU; SSAW)	Addressing Organizational Challenges through Strategic Planning Niki Miller (JMT Technology Group)	AECOM Project Showcase Susan Phelps (AECOM)	Using Neo4j to document your IT landscape Eric Wilson (NCDOT)	with Science Dave Michelson (UNC-A)	Standards in Geospatial Metadata Cassidy Barkalow (Blue Marble)		
10:30 AM	Coastal Vulnerability: A Comparison of Multiple GIS Sources of Information Joanne Halls (UNCW)	Predicting the distribution of commercial swine premises locations using deep learning and aerial imagery to improve disease monitoring and surveillance Felipe Sanchez (NCSU; SSAW)	Data Analytics Has Spatial Powers Nate Reck (JMT Technology Group)	Revolutionizing Local Governance: Unleashing the Power of Geospatial Innovation Julian Guess (Schneider Geospatial)	Experiencing" the transition from 3.x to 4.x JS.API Michael Blair (Innovate)	Empowering Communities and Enhancing Collaboration with ArcGIS Hub Juan G. Garcia (Gaston Co)	Tips for passing certification Exams Tripp Corbin (Cultivate Geospatial Solutions)		
11:00 AM		Building Resilience in Coastal Communities Through Asset Mapping and Vulnerability Assessment: Insights from the Inaugural C-CRIT Program Sheridan Ely (NCSU; SSAW)	Building a Dream Team with Virtual and Augmented Reality Tools Niki Miller & Nate Reck (JMT Technology Group)	Parcel Management Workflows Vijay Kumar & lan Lamont (Farragut)	Revolutionizing Flood Alert Systems: Modernizing FIMAN utilizing AWS Serverless Chaz Mateer (Timmons)	Curating the Public Experience (Builder): GSO Near Me Keith Watkins (Greensboro)			
11:30 AM	Awards Luncheon Located in the South Gallery Ballroom through the Lower Level tunnel or across Fifth St, below Embassy Suites								
12:00 PM 12:30 PM	"Point/Counterpoint: What Does the Future Geospatial Ecosystem Look Like?" Megan Compton, Senior NSDI Advisor; Dr. Leslie Jones, Geospatial Information Officer, State of Alaska; Alan Leidner, Board Member, Treasurer and President Emeritus, New York City Geospatial Info Systems and Mapping Organization Moderated by Hope Morgan and Tim Johnson								
1:00 PM			Woderated	Exhibit Hall closed					

#### 2025 NC GIS Conference Agenda Thurs Mar 20

	Thurs Mar 20									
Rooms	Salem 1A	Salem 1B	Salem 1C	Salem 3A	Salem 3B	Salem 3C	Salem 2 Ballroom	Lower Level Conference Rm 1		
1:30 PM	Building Effective Solutions for DOT through Enterprise GIS and Enterprise CRM integration Durmus Cesur (DZ CIS LLC)	Quantifying Wetland Accommodation Space using Uncrewed Aerial Systems and Geospatial Analysis at Bald Head Island, NC Brittany Morse (UNC-W; SSAW)		Small Town Cemetery - Modernizing a Historic Workflow Alec Weide (Holly Springs)	Your Web Adaptor is no match for a WAF! Travis Penny (NCDIT)	Economic Contribution of North Carolina's Supply Chain Steve Bert (ITRE)	NG9-1-1 GIS in the State of North Carolina Jessica Beierman (GeoComm)	Enhancing Workflow and Efficiency using Tasks in ArcGIS Pro Jason Clodfelter (Davidson Co; SLGAA)		
2:00 PM	From the POB, to the old Swamp Oak, to COGO data: the methods of mapping and estimating DOT's ROW Sean Burke (Gannett Fleming Transystems)	The Implementation of CAD and Surveying into a GIS Environment Austin Barbee (UNC-C; SSAW)		The Past Meets the Future: Integrating Evolving Geospatial and UAV Technologies into Cemetery Mapping Timothy Mulrooney & Charles Johnson (NCCU)	Implementing ArcGIS Enterprise on Kubernetes at NCDOT: The journey so far Eric Wilson (NCDOT)	Impact of Tropical Storm Debby on Groundwater Levels in Robeson County Jesse Rouse (Coastal Carolina Univ)	A Case Study in Youth Research Through GIS: The National 4-H Geospatial Team Brandon Estevez, Vrishab Nooka, Srajan Rastogi, Walker Spittal, Dr. Thomas Ray, (Advisor)	A Storm of GIS Needs: The Use of GIS for Hendersonville Water Restoration After Hurricane Helene Ben Allamong (City of Hendersonville; SLGAW)		
	Street Level Imagery for Asset Management Jackson Adams (NCTech, Inc)	TrailSynth: Real-Time Randomized Route Generation for Runners Ryan Carter (UNC-C; SSAW)	Leveraging dashboards for a quick overview of operations Daphne Brown (Duncan-Parnell)	Taking Advantage of the Best Available: Building a permitting application within the NC DIT and AGOL environment John Lovette (NC Wildlife Res. Comm)	v4: Never a dull	Comparison of Al Object Detection Tools to Identify Poultry CAFOs in North Carolina Carter Mayhew (Catawba Coll) Flood inundation	How GIS Saves Lives! Tom Rogers (NC911) & Matthew McLamb (CGIA)	Leveraging the 'S' in GIS: A Non-spatial Permit System Supporting Application, Review, Permit Issuance, and Enforcement Dave Almond (Town of Chapel Hill;		
2:45 PM						and depth assessment utilizing UAVSAR images during Hurricane Florence Rizwan Ahmed Ansari & Timothy J Mulrooney (NCCU)		SLGAW)		
3:00 PM				Break Refreshm	ents in Exhibit Hall					

#### 2025 NC GIS Conference Agenda Thurs Mar 20

				Thurs Mar 20			
Rooms	Salem 1A	Salem 1B	Salem 1C	Salem 3A	Salem 3B	Salem 3C	Salem 2 Ballroom
3:30 PM	Mapping the Epidemic of Isolation: Spatial Disparities in Loneliness Among US Adolescents and Young Adults (2016-2022) Chris Lucero (ASU; SSAW)	Innovations in Urban Forestry: Smart Tree Inventories and Next Generation Tree Canopy Assessments Will	Critical Incident Mapping & Emergency Management for Schools John Young (Langan Engineering & Environmental Srvc)	Seamless GIS Modernization: Insights from OWASA's Utility Network Implementation Drew Purzycki (Timmons) & Beth Canada (OWASA)	Rendering Aid: Mapping and Utility Repairs Days After Hurricane Helene Zach Petersen & Mike Strader (Greensboro)	The City of Charlotte's Community Hub Jay Fowler (Esri) & Robert Cerrato (Charlotte)	Best Practices for Maintaining Annexation History with GIS Rich Elkins (NC Sec. of State Office) Municipal Boundary Update Tool: The future of BAS Updates Bob
4:00 PM	Vegetation Health Decline in the Gaza Strip: Analyzing	Transitions at 4:15	Transitions at 4:15	Transitions at 4:15	Transitions at 4:15	Transitions at 4:15	Coats (NCOSBM)
4:15 PM	NDVI Changes During the Israeli-Hamas Conflict Sidney Hipp (UNC-CH; SSAW)	Unmanned Fixed-wing High Density Airborne Lidar: Acquisition and Production Ravi Soneja (McKim & Creed)	Statewide Indoor Maps for School Safety Ethan Credle (GeoComm)	Use of GIS Technology in Lead Copper Rule Revision (LCRR) Service Line Inventory Kristin Johnston (KCI) &	NC RAFT: A Resiliency Framework Helping NCDOT Prepare for Future Flood Hazards with Digital Solutions Kurt	Unseen Patterns (2.0)- How GIS and Statistical Analysis has Deepened Our Understanding of Overdoses and Suicides in Forsyth	Panel: Mike Cline, Nathan Bland, Alice Wilson, Dana Clukey, Rich Elkins, Bob Coats
4:30 PM	Assessing Annual Soil Loss in Phewa Lake Watershed, Nepal Using RUSLE Bikesh Jojiju (UNC-CH; SSAW)			John Pierre (Dunn)	Golembesky (NCDOT) & Garrett Shields (WSP)	County Shaylee Bowen (Forsyth Co) & Karen Kesler (Winston-Salem)	
5:00 PM	Avineon Managed Services User Group	Secondary & Higher Education Special Interest Group					

#### 2025 NC GIS Conference Agenda Thurs Mar 20

Fri Mar 21

8:00 AM	<b>Registration</b> Continental Breakfast in Exhibit Hall until 9am									
Rooms	Salem 1 A	Salem 1 B	Salem 1 C	Salem 3 A	Salem 3 B	Salem 3 C	Salem 2 Ballroom			
8:30 AM	AddressNC Program Experience Darrin Smith (CGIA)	Using GIS Data to Visualize Mental Healthcare Access and Revise Estimates of Social Vulnerability in North Carolina Chelsea McGraw & Emma Grace Choplin (UNC)	Any Map, Anywhere, inside of Salesforce Jon Fisk (G&H Intl. Srvcs)	Preparing for Esri Upgrades and Migrations Wendy Peloquin & Kent Rothrock (Avineon)	Executive Order 305 – DEQ Directives and Status for Wetland Mapping Jim Stanfill (NCDEQ)	Open Source Tools to save you money and time Doug Newcomb	Open / Setup			
9:00 AM	Datum change update Gary Thompson (NC Emergency Mngt)	How to Achieve Maximum ROI for Your State Imagery Program and Meet the Needs of All Stakeholders Chris Ogier (Sanborn)	Visualizing Geographic Data with Tableau Public Shannon McAvoy (WSP)	Tool Loan Program Solution Steve Averett & Skip Daniels (Greensboro)	High Resolution Land Cover for North Carolina Matt Pendelton (NOAA)	NC Seamless Parcel Program: Continuing to Evolve and Improve Elizabeth Daniel (CGIA), Katie Doherty (Rutherford Co) & Rich Elkins (NC Sec. of State Office)				
9:30 AM			Break	Refreshments in Ex	hibit Hall					
10:00 AM 10:30 AM 11:00 AM 11:30 AM	Geographic Information Coordinating Council Quarterly Meeting Hope Morgan, Chair Located in Salem 2 Ballroom Exhibit Hall Closes at 11:00am									