



2022 NCAUG Fall Conference

Agenda

Sept 20-23rd, Carolina Beach

Tuesday September 20th

7:30am to 5:00pm	Hallway	Registration & Info Desk
8:00am to 5:00pm	Cape Lookout	Pre-Conference Workshop: Grasping the Power of Python <i>Skip Daniels, City of Greensboro</i>
12:00pm to 1:00pm	Lunch on your own	
1:00pm to 5:00pm	Cape Fear	Pre-Conference Workshop: Esri – Working with Imagery in ArcGIS <i>Yuri Potawsky, Esri</i>

Wednesday September 21st

8:00am to 1:00pm	Hallway	Registration & Info Desk
8:00am to 12:00pm	Hallway	Exhibitor Set-up
8:00am to 12:00pm	Cape Fear	Pre-Conference Workshop: Intro to PostgreSQL for GIS users <i>Chaula Jain, Mecklenburg County</i>
12:00pm to 1:00pm	Lunch on your own	
1:00pm to 1:15pm	Ballroom	Plenary Session – Dr. Joseph Sloop, NCAUG president Welcome from NCAUG Business Meeting & Town Hall
1:15pm to 1:45pm	Ballroom	How Not to Give a Presentation Part II: In-Person/Virtual Edition <i>Hope Morgan, Amy Barron, and Rachel Patterson</i>
1:45pm to 2:30pm	Ballroom	Esri Roundup: Applied ArcGIS, Esri Team Learn about how ArcGIS supports Infrastructure Management and Public Safety and how ArcGIS Solutions can be applied to these initiatives and many more across organizations. Gain insight on the ArcGIS System, user success stories, and training resources to help you accelerate your success.
2:30pm to 3:00pm	Ballroom	Sponsor Lightning Talks: AECOM, Avineon, GeoOwl, CivicFCU, Esri, ESP, NV5, Surdex, Roktech, WithersRavenel, Atlas Geo, Eagleview, Dewberry, GPI, Duncan Parnell, Newland Geo, Kucera Int'l, UNCW, NCSU, NCASPRS, Olsson
3:00pm to 3:30pm	Break	
3:30pm to 4:45pm	Ballroom	Keynote Address: Brad Panovich, Chief Meteorologist WCNC
4:45pm to 5:00pm	Ballroom	Info on Conference – Schedule of presentations & special events NCAUG Board
5:30pm to 7:30pm	Opening Night Party: Sea Witch (live band, drinks & light hors d'oeuvres)	

Thursday September 22nd

7:00am to 8:00am	Hallway	Breakfast Buffet
7:00am to 12:00pm	Hallway	Registration & Info Desk
8:00am to 5:00 pm	Cape Point	Hands-on Learning Lab
8:00am to 5:00pm	Hallway	Sponsor Hall Open
Breakout Sessions	Cape Lookout <i>Moderator: Kim Sparks, NCDIT@DEQ</i>	Cape Fear <i>Moderator: Dylan Wingler, Town of Cary</i>
8:00am to 8:30am	Flood Inundation Boundaries Utilizing the NWS Quantitative Precipitation Models <i>John Lay, NCEM</i>	Exercise valves, not your field crew; leverage technology to streamline workflows <i>Daphne Brown, DUNCAN PARNELL</i>
8:30am to 9:00am	Using GIS for Flood Mitigation Studies and Risk Analysis <i>Amanda Terbeek, ESP ASSOCIATES</i>	Modernization of Crossing Inventory, NCDOT Rail Division's Transition from Paper Forms to ESRI's Field Maps <i>David Mathern, WGI, INC.</i>
9:00am to 9:30am	Using 2D Modeling to Increase Flooding Awareness in Previously Unstudied Areas of North Carolina and to Identify Potential Mitigation Options <i>Richard Fogleman, Kevin Nichols & William Hague, AECOM</i>	The Who, What, When, and Where of Geospatial Data Governance! <i>Thomas Tiner, ARORA</i>
9:30am to 10:00am	Leveraging ArcGIS Dashboards and Insights for Greensboro NC's Spatial and Non-Spatial Analytics <i>Keith Watkins, CITY OF GREENSBORO, NC</i>	The One Web App to Serve Them All! <i>Reggie Sanders, FLORENCE COUNTY, SC</i>
10:00am to 10:30am	Break	
Breakout Sessions	Cape Lookout <i>Moderator: Jenny Herring, Innovate!</i>	Cape Fear <i>Moderator: Sallie Vaughn, Person County</i>
10:30am to 11:00am	The Role of SLAM Technology for Reality Capture & the Metaverse <i>Jamey Gray, GPI</i>	Data Management and Analysis <i>Wendy Peloquin, AVINEON</i>
11:00am to 11:30am	Fusing multi-source UAS-derived data to improve coastal wetland type predictions <i>Narcisa Pricope, UNCW</i>	AddressNC Program Workflows <i>Darrin Smith, NCCGIA</i>

11:30am to 12:00pm	Use of ESRI Site Scan and UAS Technology to Monitor Coastal Projects and Coastal Environments <i>Frank Marshall, COASTAL ENGINEERING</i>	Come Sail Away: the use of AIS data in GIS <i>Richard Tuinstra, CITY OF WILMINGTON</i>
12:00pm to 1:00pm	Lunch Buffet	
Breakout Sessions	Cape Lookout <i>Moderator: Todd Hayes, City of Greensboro</i>	Cape Fear <i>Moderator: Wendy Peloquin, Avineon</i>
1:00pm to 1:30pm	ArcGIS Survey123: An Introduction & What's New <i>Peter Erlenbach, ESRI</i>	Dev't of an Automated Multitemporal Land Cover & Geomorphology Classification & Change Analysis of a Barrier Island Using Imagery and LiDAR <i>Joanne Halls, UNCW</i>
1:30pm to 2:00pm		Exploring Alzheimer's Data to Acknowledge Altered Mental Status (AMS) as a Preliminary Manifestation of COVID-19 in Older Population <i>Daisy Iyangbe, SCHOLARSHIP WINNER *</i>
2:00pm to 2:30pm	ArcGIS Field Maps: An Introduction and What's New <i>Peter Erlenbach, ESRI</i>	Using Survey123 and Collector to Assess Western NC Flood Damage <i>Craig Silvanic and Morgan Rowden, STEWART, INC.</i>
2:30pm to 3:00pm		Stormwater GIS: Using Survey123 to Manage a Stormwater GIS Program <i>Meredith Stull, DURHAM COUNTY</i>
3:00pm to 3:30pm	Break	
Breakout Sessions	Cape Lookout <i>Moderator: Peter Erlenbach, Esri</i>	Cape Fear <i>Moderator: Nicholas Smith, GeoOwl</i>
3:30pm to 4:00pm	<u>Panel Discussion: Equity and Inclusion</u> Diversity, Equity, and Inclusion Efforts in Higher Education: A discussion of what we can do to try and increase recruitment and retention in geoscience and geospatial technology <i>Joanne Halls, UNCW</i>	Staying Between the Lines: Applications of Mobile Lidar and GIS for Autonomous Vehicles <i>Neal Banerjee, ESP ASSOCIATES</i>
4:00pm to 4:30pm		Comparing Metrics of Wetland Vegetation Structure Derived from UAS Photogrammetry and UAS LiDAR Data Collections <i>Elijah Dalton, SCHOLARSHIP WINNER</i>
4:30pm to 5:00pm		The Evolution of the Statewide Orthoimagery Program <i>Ben Shelton, NCCGIA</i>
5:30pm to 8:00pm	Thursday Night Sponsor Party: Beach Blanket Bingo Party (DJ, games, drinks & hors d'oeuvres)	

Friday September 23rd		
7:30am to 8:30am	Breakfast Buffet	
7:30am to 10:30am	Hallway	Sponsor Hall Open
7:30am to 10:30am	Cape Fear	Hands-on Learning Lab
8:00am to 9:00am	Hallway	Registration & Info Desk
Sessions	Cape Lookout <i>Moderator: Hope Morgan, AECOM</i>	Cape Fear <i>Moderator: Kirby Whitley, Olsson</i>
8:30am to 9:00am	Esri's Roads and Highways Linear Referencing System for Department of Public Works Inventory and Asset Management <i>Matt Franklin, TIMMONS</i>	North Carolina Search and Rescue GIS <i>Christopher Susi, NCEM</i>
9:00am to 9:30am	Traffic Must Flow: Helping NCDOT Prepare for Future Flood Hazards with Digital Solutions <i>Garrett Shields, WOOD. *</i>	Utilizing GIS for LCR Compliance and Priority Regulations <i>Ethan Herbek, SAM</i>
9:30am to 10:00am	What to expect when you are Migrating. <i>Zach Petersen, CITY OF GREENSBORO</i>	How a GIS hub inadvertently provided Situational Awareness for Multiple Agencies <i>Sallie Vaughn, PERSON COUNTY</i>
10:00am to 10:30am	Break	
Sessions	Cape Lookout <i>Moderator: Michelle Lopez, Benesh</i>	Cape Fear <i>Moderator: Matt Witosky, Stantec</i>
10:30am to 11:00am	ArcGIS Hub: Managing and Collaborating with Your Community <i>Jay Fowler, ESRI</i>	Visualizing Departmental, Business, and Citizen Use of GIS <i>Kent Rothrock & Wendy Peloquin, AVINEON</i>
11:00am to 11:30am	Growth and Change in a New Era: Using Story Maps to create the Mecklenburg County Pulse Report 2022 <i>Nancy Ross, MECKLENBURG COUNTY</i>	Can we go inside? Migrating to Esri's Indoors for space planning and asset tracking. <i>Michael Blair, INNOVATE!</i>
11:30am to 12:00pm	Take A Walk Through the Past Using AGOL: A Self-Guided Walking Tour Through the City of Rocky Mount's Downtown Area <i>Melissa Wright Battle & Negrete Silver*, CITY OF ROCKY MOUNT</i>	ROI: How to Build a Solid Case for GIS Cloud Migration <i>Jay Young, ROK TECHNOLOGIES</i>
12:00pm to 12:15pm	Break	
12:15pm to 1:00pm	Ballroom	Awards & Closing Session