



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 Point	Pre-Conference Workshop: Esri - TBA <i>Esri Staff</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 Lookout	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:
2:30pm to 3:00pm	Ballroom	Sponsor Lightning Talks
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
9:00am to 5:00 pm	Cape Fear	Hands-on Learning Lab
9:00am to 5:00pm	Hallway	Exhibits Open
Breakout Sessions	Cape Lookout	Cape Point
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, 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	Cape Point
10:30am to 11:00am	Understanding UAV Processing Results <i>Jamey Gray, GPI</i>	Development of an Automated Multitemporal Land Cover and Geomorphology Classification and Change Analysis of a Barrier Island Using Imagery and LiDAR <i>Joanne Halls, UNCW</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	Cape Point
1:00pm to 1:30pm	ArcGIS Field Maps: An Introduction & What's New <i>ESRI</i>	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>
1:30pm to 2:00pm	ArcGIS Survey123: An Introduction and What's New <i>ESRI</i>	Mapping Badin Lake for Future Analysis <i>Samantha Feinstein, UNC</i>
2:00pm to 2:30pm	Using Survey123 and Collector to Assess Western NC Flood Damage <i>Alex Karpuk, STEWART, INC.</i>	Drug Poisoning Mortality Rates Throughout the 21st Century <i>Cheyenne Truett, HAYWOOD COUNTY</i>
2:30pm to 3:00pm	Brunswick County Fighting Mosquitos with GIS <i>Andrew Mueller, BRUNSWICK COUNTY</i>	Spatio-Temporal Impact Of COVID-19 On Demand Response Transit In Northeastern North Carolina <i>Trung Tran, UNCFSU</i>
3:00pm to 3:30pm	Break	
Breakout Sessions	Cape Lookout	Cape Point
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 & heavy hors d'oeuvres)	

Friday September 23rd		
8:00am to 9:00am	Breakfast Buffet	
7:30am to 9:00am	Hallway	Registration & Info Desk
Sessions	Cape Lookout	Cape Point
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	Cape Point
10:30am to 11:00am	ArcGIS Hub: Managing and Collaborating with Your Community <i>ESRI</i>	Visualizing Departmental, Business, and Citizen Use of GIS <i>Martin Roche, AVNEON</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>Mellissa Wright Battle & Negrete Silver, CITY OF ROCKY MOUNT</i>	ROI: How to Build a Solid Case for GIS Cloud Migration <i>Keith Watkins, CITY OF GREENSBORO</i>
12:00pm to 12:15pm	Break	
12:15pm to 1:00pm	Ballroom	Awards & Closing Session