

2023 NCAUG Fall Conference Agenda

Sparkling Innovation: Energizing GIS Technology for the Future

Sept 26-29th, Asheville, NC

| Tuesday September 26 th * times subject to change | | |
|--|--|--|
| 7:30am to 5:00pm | Registration & Info Desk | |
| 8:00am to 12:00pm | Workshop Vanderbilt | Modernizing Your Esri Platform <i>Kent Rothrock & Kevin Jamison, Avineon</i> |
| 12:00pm to 1:00pm | Lunch on your own | |
| 1:30pm to 7:00pm | NCAUG Golf Event at Reems Creek Golf Club – Tee times begin at 1:30PM <i>Teams/Format TBD</i> | |
| 1:00pm to 5:00pm | Workshop Vanderbilt | Drone and Reality Mapping <i>Coty Welch, Sr Solution Engineer, ESRI</i> |

| Wednesday September 27 th * times subject to change | | |
|--|--|--|
| 8:00am to 5:00pm | Registration & Info Desk | |
| 8:00am to 12:00pm | Gallery Amherst | Exhibitor Set-up |
| 8:00am to 12:00pm | Workshop Vanderbilt | Getting started with ArcGIS Arcade <i>Tripp Corbin, SAM</i> |
| 12:00pm to 1:00pm | Lunch on your own | |
| 1:00pm to 1:30pm | Burghley Ballroom | Plenary Session: Lucy Brady, NCAUG President Welcome from NCAUG Business Meeting & Town Hall |
| 1:30pm to 2:30pm | Burghley Ballroom | The importance of a good elevator pitch to describe what you do (with discussion) <i>Tripp Corbin, SAM</i> |
| 2:30pm to 3:15pm | Burghley Ballroom | Vendor Lightning Talks: AECOM , Atlas , Avineon , Bolton Menk , Dewberry , Duncan Parnell , Eagle View , ESP , ESRI , GeoData, GeoOwl , GPI, Local Government Federal Credit Union , NCSU , NV5 , Olsson , SAM , Sanborn, Surdex, WSP |
| 3:00pm to 3:30pm | Coffee Break – Gallery 3:15 Prizes | |
| 3:30pm to 4:45pm | Burghley Ballroom | Keynote Address: Trends in Spatial Data Science <i>Suzanne Foss, Principal Product Lead, ESRI</i> |
| 4:45pm to 5:00pm | Burghley Ballroom | Info on Conference – Schedule of presentations & special events NCAUG Board |
| 6:00pm to 8:00pm | Opening Night Party – Hi-Wire Brewery | |

Thursday September 28th * times subject to change

| | | |
|--------------------|--|--|
| 7:00am to 8:00am | Breakfast Buffet - Gallery | |
| 7:00am to 12:00pm | Registration | Registration & Info Desk |
| 9:00am to 5:00pm | Gallery Amherst | Exhibits Open |
| Breakout Sessions | Burghley Moderator: Michael Tutwiler | Vanderbilt Moderator: Matt Moore |
| 8:00am to 8:30am | ArcGIS Enterprise: Best Practices and Extending your System. <i>Joe Weyl, Sr Solution Engineer, ESRI</i> | A Geospatial Analysis of Landslide Susceptibility in a Section of Western North Carolina using GIS and Machine Learning Methods. <i>Gazali Agboola, PhD Student, North Carolina A&T State University</i> |
| 8:30am to 9:00am | | Advanced Geospatial Technologies for Improving Landslide Risk Analysis in Central Vietnam. <i>Raja Das, Scholarship Winner, Graduate Student, NC State</i> |
| 9:00am to 9:30am | ArcGIS Enterprise Success Stories <i>Kent Rothrock, Director of Managed Services, Aineon, Inc.</i> | Leveraging technology in consulting forestry operations <i>Sara Cerv, GIS Project Manager, GFR Forestry Consultants</i> |
| 9:30am to 10:00am | Energizing GIS Technology for the Future <i>Samantha Dixon, 1Spatial</i> | National Forests in North Carolina Roads and Trail Centerline Updates <i>Bart Matthews, Geospatial Program Manager, National Forests in North Carolina</i> |
| 10:00am to 10:30am | Break - Gallery | |
| Breakout Sessions | Burghley Moderator: Alana Sweatt | Vanderbilt Moderator: Rachel Patterson |
| 10:30am to 11:00am | Real Time Analytics using ArcGIS. <i>Suzanne Foss, Principal Product Lead, ESRI</i> | T-SAPP: Predictive Statewide Coastal Inundation Mapping for Road Networks <i>Amanda TerBeek, GIS Analyst, ESP Associates</i> <i>Matthew Dudley, PE, CFM, Water Resources and GIS Department Manager, ESP Associates</i> |
| 11:00am to 11:30am | | Statewide Municipal Boundaries Project <i>Richard Elkins, Director - Land Records Mgmt, NC Dept. of Secretary of State</i> |
| 11:30am to 12:00pm | Transforming Decision-Making in Acute Disasters: The Power of Knowledge Graph Databases <i>Victoria Tanoh, PhD student, North Carolina A&T State University</i> | NC Flood Resiliency Blueprint. Status <i>Hope Morgan, Project manager, AECOM</i> |
| 12:00pm to 1:00pm | Lunch Buffet - Gallery | |
| Breakout Sessions | Burghley Moderator: Eddy Shipman | Vanderbilt Moderator: Andrew Bryson |
| 1:00pm to 1:30pm | Mapping High-Heat and Social Vulnerability in Buncombe County, North Carolina <i>Hope Donnellan, Student, UNC Asheville</i> | ArcGIS Experience Builder: Migrating from Web App Builder <i>Peter Erlenbach, Solution Engineer, ESRI</i> |
| 1:30pm to 2:00pm | Assessing Viewshed Vulnerability at the Biltmore Estate in Asheville, NC <i>Ian Johnson, GIS Analyst, UNC-Asheville's NEMAC</i> | |
| 2:00pm to 2:30pm | Tracking Land Cover and NDVI Changes Before and After Installation of a Groin on Sea Island, Georgia <i>Diane Styers, Associate Professor of Remote Sensing, Western Carolina University</i> | The Big Leap to Experience Builder <i>Justin Castrati, GIS Project Manager, LJB Engineering</i> <i>Kelly Haws, LJB Engineering</i> |
| 2:30pm to 3:00pm | Discussing Green Infrastructure Solutions in Chronically Underserved Communities of Southeastern NC <i>Dr. Joanne Halls, UNC Wilmington</i> | Streamline document management with SharePoint & Esri Experience Builder integration. <i>Michael Blair, Sr. IT/GIS Strategist & Architect, Innovate Inc</i> |
| 3:00pm to 3:30pm | Break - Gallery | |
| Breakout Sessions | Burghley Moderator: Greer Shivers | Vanderbilt Moderator: Chase Bernard |
| 3:30pm to 4:00pm | Curating the Public Experience (Builder) - GSO Near Me <i>Keith Watkins, GIS/EAM Administrator, City of Greensboro</i> | Choosing an App for Field Data Collection: FieldMaps vs Survey123 <i>Laura Eng, GIS Analyst II, WSP</i> |
| 4:00pm to 4:30pm | Interactive Map and Dashboard to Enhance Rural Healthcare Access, Transitions, and Continuity of Care <i>Joan Colburn, GIS Analyst, Mountain Area Health Education Center</i> | Electric Vehicle Supply Equipment (EVSE) Suitability Analysis <i>Dave Almond, Senior GIS Analyst, Town of Chapel Hill</i> |
| 4:30pm to 5:00pm | Street Improvement and Asset Management Projects utilizing Field Maps and GIS <i>Michelle Lopez, Planner/GIS Specialist, Benesch</i> <i>Laura Fisher, PE, Project Manager, Benesch</i> | Performing Manhole Inspections & Inventory with ArcGIS Field Maps and 360° Cameras <i>James Mertz, GIS Project Manager, Bolton & Menk, Inc.</i> |
| 5:30pm to 7:30pm | Thursday Night Sponsor Party – Gallery, Amherst, & Garden Terrace | |

| Friday September 29 th * times subject to change | | |
|---|---|---|
| 8:00am to 9:00am | Breakfast Buffet - Gallery | |
| 7:30am to 9:00am | Registration & Info Desk | |
| Breakout Sessions | Burghley Moderator: Negrete Silver | Vanderbilt Moderator: Joe Battinelli |
| 8:30am to 9:00am | AddressNC Program Dashboard and WebApp Visualization <i>Darrin Smith, Project Manager, CGIA</i> | Integrating Webhooks into your GIS Workflows <i>Alex Rouse, GIS Project Coordinator, Stewart</i> |
| 9:00am to 9:30am | Address Assignment Service Request System <i>Todd Wilson, GIS Tech Solutions Manager, Mecklenburg County</i> <i>Angela Johnson, GIS Supervisor, Mecklenburg County</i> | High Resolution Imagery for Change Detection and Stormwater Data Management <i>Joe Wilson, EagleView</i> |
| 9:30am to 10:00am | NG911 and Addressing Tools <i>Wendy Peloquin, Business Development Manager, Avineon</i> | Understanding the DWG format and bringing that into ArcGIS Pro <i>Tripp Corbin, SAM</i> |
| 10:00am to 10:30am | Break | |
| Breakout Sessions | Burghley Moderator: Khalil McGruder | Vanderbilt Moderator: Jeremy Aycock |
| 10:30am to 11:00am | First Time Attendees Meetup | GIS for Botanical Garden Management <i>Emma Martone, Curator of Grounds, High Point University - Mariana H. Qubein Arboretum and Botanical Gardens</i> <i>Charlie Charing, GIS Consultant & Project Manager, Langan Engineering & Environmental Services</i> |
| 11:00am to 11:30am | UAVs in Coastal Monitoring and Adaptive Mitigation Planning. <i>Wes Cartner, Environmental Program Consultant, NCDOT</i> | Modernizing GIS and Integrating with Existing Systems to Improve Data Transparency & Collaboration <i>Ben Masters Associate Project Manager, Blue Raster</i> <i>Chris Gabris Senior Project Manager & GIS Team Lead, Blue Raster</i> |
| 11:30am to 12:00pm | Integrating Satellite and UAV Imagery for Enhanced Water Quality Assessment <i>Eden Wasehun, PhD Student, North Carolina A&T State University</i> | The Relationship Between Flooding from Hurricane Florence and Resulting Gentrification in Wilmington. <i>Cate Arnold, Scholarship Winner, Undergraduate Student, UNC Wilmington</i> |
| 12:00pm to 12:15pm | Break | |
| 12:15pm to 1:00pm | Burghley Ballroom | Awards & Closing Session |