

## Day 1: Thursday, November 16

8:00 am-9:00 am	<b>Registration &amp; Hosted Breakfast</b> <i>Lobby &amp; 2nd Floor Atrium</i>		
9:00 am-9:30 am	<b>Welcome &amp; Opening Ceremonies</b> *Peter O'Rourke - Executive Director, NAPSG Foundation *Bojan Cukic, PhD - Dean & Professor, College of Computing and Informatics, UNCC  <b>Presentation of Colors</b> *Charlotte Fire Department  <b>InSPIRE 2023: The Community in Action</b> <i>Auditorium, Room 201</i>		
9:30 am-10:00 am	<b>Priorities in Research &amp; Development for Public Safety</b>  Participants will learn about the importance of research and development for public safety, current priorities and ongoing projects within the Department of Homeland Security's Science & Technology Directorate, and how geospatial capabilities are critical to improved situational awareness.  <b>Keynote Presenter:</b> *David Alexander, PhD - Senior Science Advisor Resilience, DHS Science & Technology Directorate <i>Auditorium, Room 201</i>		
10:00 am-10:45 am	<b>North Carolina GIS - A Roadmap for State Coordination</b>  With a mission to advance the use of GIS as a tool for better decision-making in North Carolina, the Center for Geographic Information & Analysis (CGIA) coordinates statewide geospatial initiatives to create, access, and apply geographic data and technology. Join this session to learn about standards and best practices, the NC OneMap, and other initiatives.  <b>Presenter:</b> *Tim Johnson - Geographic Information Officer, North Carolina Center for Geographic Information and Analysis <i>Auditorium, Room 201</i>		
10:45 am-11:00 am	<b>Morning Break</b>		
11:00 am-12:15 pm	<b>Pulling Back the SARCOP Curtain - Behind the Scenes of the Search and Rescue Common Operating Platform</b>  Learn how the Search and Rescue Common Operating Platform (SARCOP) system was built, how it intakes and manages data, and how you can use components from this platform in your own projects.  <b>Presenter:</b> *Adam Fackler - GIS Technician, NAPSG Foundation  <i>Room 501</i>	<b>Local GIS Use for Communications</b>  How is GIS used in traditional communications and Next Generation 911 (NG911)? In this session, Charles Laird shows how GIS can improve traditional first responder communications planning processes, and Peter Hanna will provide a NG911 101 brief on the importance and use of GIS.  <b>Presenters:</b> *Charles Laird - Program Specialist, North Carolina FirstTech *Peter Hanna - IT Specialist, Montgomery County PD, NAPSG SME  <i>Room 502</i>	<b>GIS for Public and Environmental Health</b>  What have we learned from the COVID-19 Pandemic on data management, privacy, and organization? Presenters Frank Winters and Byron Lobsinger will cover the importance of data principles, such as anonymization, aggregation, etc., and show how that data can be utilized by different agencies.  <b>Presenters:</b> *Frank Winters - NYS Geographic Information Officer (Ret.) *Byron Lobsinger - Environmental Health Emergency Planner, Georgia Department of Public Health  <i>Room 506</i>
12:15 pm-1:00 pm	<b>Hosted Lunch</b> <i>2nd Floor Atrium</i>		
<h2>Day 1: Thursday, November 16</h2>			
1:00 pm-2:15 pm	<b>Riding the Data Highway: GIS Use in Transportation</b>  Participants will learn how NCDOT is utilizing GIS to increase efficiencies for post-incident damage reporting to FEMA, and how communities are leveraging mobile mapping capabilities from HERE to support all phases of a disaster.  <b>Presenters:</b> *Eric Wilson - GIS Manager, NC Department of Transportation *Eddy Shipman - Supervisor, GIS Application Development Team, NC Department of Transportation *Raquel Bensedoun - Supervisor, Geospatial Services Team, NC Department of Transportation *James Nenaber - Account Executive, HERE Technologies *Finn Swingley - Senior Sales Solution Architect, HERE Technologies  <i>Room 501</i>	<b>Taxonomies, Ontologies, and Schema's, Oh My! (Part 1)</b>  How do taxonomies, ontologies, and data schemas make or break GIS? The Infrastructure Data Taxonomy (IDT), SARCOP v9 Data Schema, and OGC Standards will provide examples of best practices in data organization, naming, and interoperability.  <b>Presenters:</b> *Trent Tinker, Director, Collaborative Solutions and Innovation Program, Open Geospatial Consortium (OGC) *Carmen Zapata - Senior Advisor, Infrastructure Security Division, Cybersecurity and Infrastructure Security Agency (CISA) *Paul Doherty, PhD - Emergency Management Specialist, Federal Emergency Management Agency, Urban Search & Rescue Branch  <i>Room 1104</i>	<b>Navigating the Flames: Unlocking the Power of GIS for the Local Fire Service</b>  Fire GIS extends beyond mapping fire hydrants. This session will highlight how the Charlotte Fire Department, Charlottesville Fire Department, and the International Association of Fire Chiefs have adopted geospatial tools and analysis to enhance their operations.  <b>Presenters:</b> *Pushpa Jha - GIS Coordinator, Charlotte Fire Department Strategic Planning & Research *Kat Boyle - Process Manager, Charlotte Fire Planning *Lucas Lyons - Systems Performance Analyst, Charlottesville Fire Department (VA) *Jeff Dulin - Strategic Advisor, International Association of Fire Chiefs  <i>Room 502</i>
2:15 pm-2:30 pm	<b>Afternoon Break</b>		
2:30 pm-3:45 pm	<b>Uniting the Community: A Look into South Carolina's Emergency Joint Response</b>  South Carolina agencies face a diverse geographic and hazard environment, from flooding in Charleston to complex search and rescue operations in the upstate region. See how SC-TF1 utilizes GIS for operations, and how SCDEM uses GIS for preparedness activities and outreach.  <b>Presenters:</b> *Chad Beam - Section Chief, SC Emergency Response Task Force *Emily Razzano - GIS Manager, SC Emergency Management Division  <i>Room 502</i>	<b>Taxonomies, Ontologies, and Schema's, Oh My! (Part 2)</b>  How do taxonomies, ontologies, and data schemas make or break GIS? The Infrastructure Data Taxonomy (IDT), SARCOP v9 Data Schema, and OGC Standards will provide examples of best practices in data organization, naming, and interoperability.  <b>Presenters:</b> *Trent Tinker, Director, Collaborative Solutions and Innovation Program, Open Geospatial Consortium (OGC) *Carmen Zapata - Senior Advisor, Infrastructure Security Division, Cybersecurity and Infrastructure Security Agency (CISA) *Paul Doherty, PhD - Emergency Management Specialist, Federal Emergency Management Agency, Urban Search & Rescue Branch  <i>Room 1104</i>	<b>Local GIS for Law Enforcement</b>  GIS for Law Enforcement has traditionally only been used for crime analysis. However, agencies are starting to utilize GIS in new and innovative ways. Learn how the Cornelius Police Department is using GIS in their Maritime Division, and how the Montgomery County Police Department uses GIS across their entire agency. You'll also get a look at the importance of using secure, centralized, and high quality data in all of your GIS applications.  <b>Presenters:</b> *Shelby Roberson - GIS Manager, Montgomery County Police Department, NAPSG SME *George Brinzey - Officer, Cornelius Police Department *Ed (EJ) McCormick - Captain, Cornelius Fire Department  <i>Room 506</i>
4:00 pm-4:15 pm	<b>Day 1 Debrief &amp; Closing Remarks</b> *Peter O'Rourke - Executive Director, NAPSG Foundation <i>Auditorium, Room 201</i>		
4:30 pm-6:30 pm	<b>Sponsor-Hosted Reception:</b> <b>2023 Awards for Excellence in Public Safety GIS</b> <i>2nd Floor Atrium</i>		

**Day 2: Friday, November 17**

8:00 am-9:00 am	<b>Registration &amp; Hosted Breakfast</b> <i>Lobby &amp; 2nd Floor Atrium</i>		
9:00 am-9:15 am	<b>Welcome &amp; Opening Remarks + Lightning Sessions</b> *Peter O'Rourke - Executive Director, NAPSG Foundation <i>Auditorium, Room 201</i>		
9:15 am-10:30 am	<p align="center"><b>Public Safety Leadership Panel: Effective Team Management in a Post-COVID Era</b></p> <p>This leadership panel will provide a thought-provoking discussion around strategies for successfully leading and nurturing teams in the evolving landscape. This session will also explore adaptive leadership approaches, remote collaboration techniques, and employee well-being initiatives, equipping participants with the tools to foster resilience and productivity in the aftermath of the pandemic.</p> <p align="center"><b>Presenters:</b>                  *Catherine Bohn - Associate Vice President, Dewberry                  *Justin Kates - Treasurer, NAPSG Foundation Board of Directors                  *Darla Hicks - Director of Human Resources, City of Manassas (VA)</p> <p align="center"><i>Auditorium, Room 201</i></p>		
10:30 am-10:45 am	<b>Morning Break</b>		
10:45 am-12:00 pm	<p align="center"><b>Powered by Data: Emergency Management Uses of Technology and GIS</b></p> <p>The rapid advancement of technology promises to change the world of emergency management. See how AI, large language models, generative AI, and complementary technology can reshape traditional emergency management processes. Also, you will take a look at research on complex processes such as preliminary damage assessments, housing inspections, and areas of impact.</p> <p align="center"><b>Presenters:</b>                  *Emily Martuscello - Director, Nashua Emergency Management                  *Katherine Picchione - Associate Engineer, MIT Lincoln Laboratory                  *Justin Kates - Treasurer, NAPSG Foundation Board of Directors</p> <p align="center"><i>Room 1104</i></p>	<p align="center"><b>Field Data Collection: More Than Just Survey123</b></p> <p>This session will cover the different methods of field data collection commonly used by first responders for pre-planning and response. We will discuss the primary purpose and differences between QuickCapture, Survey123, Field Maps, and Location Sharing. We will also equip first responders with the knowledge and language to communicate their field data collection needs to their GIS staff.</p> <p align="center"><b>Presenters:</b>                  *Mike Cox - Director of Fire, Rescue, &amp; EMS Solutions, Esri                  *Adam Fackler - GIS Technician, NAPSG Foundation</p> <p align="center"><i>Room 1102</i></p>	<p align="center"><b>Navigating Resilience and Climate Data &amp; Building Partnerships for Next-Level Planning and Grant Success</b></p> <p>Participants will engage in real-world planning scenarios to demonstrate how to discover, interrogate, interpret, and leverage community resilience and climate data while ensuring equity in decision-making related to present disasters and future climate change conditions. Participants will also learn how to create community resilience partnerships to enhance grant application success.</p> <p align="center"><b>Presenters:</b>                  *Norman Levine, PhD - Director, Lowcountry Hazards Center                  *Benjamin Rance - Project Lead, RAPT, FEMA</p> <p align="center"><i>Room 506</i></p>
12:00 pm-1:00 pm	<b>Hosted Lunch</b> <i>2nd Floor Atrium</i>		
<b>Day 2: Friday, November 17</b>			
1:00 pm-2:15 pm	<p align="center"><b>Shaping and Sizing Esri and Microsoft Collaboration Tools</b></p> <p>Esri and Microsoft have a variety of collaboration tools that work separately and also can be integrated. The low/no code interface for these tools allows users to rapidly create powerful collaboration solutions that support more informed decision making. Dewberry will display actual implementations and practical considerations for leveraging these tools.</p> <p align="center"><b>Presenters:</b>                  *Catherine Bohn - Associate Vice President, Dewberry                  *Paul Dean - Project Manager, Dewberry                  *Amanda Byrd - GIS Analyst, Dewberry</p> <p align="center"><i>Room 506</i></p>	<p align="center"><b>Research in Public Safety (Part 1)</b></p> <p>What research is being conducted in GIS and technology for public safety? MIT Lincoln Labs, Indiana University, and the University of NC at Charlotte will showcase some of their current research within public safety, and they will host a panel discussion with the audience on future research needs and priorities.</p> <p align="center"><b>Presenters:</b>                  *Chad Council - Humanitarian Assistance and Disaster Relief (HADR) Systems, MIT Lincoln Laboratory                  *Sonny Kirkley, PhD - Director of User Experience, Indiana University                  *Kate Kapalo, PhD - Course Instructor, USFA National Fire Academy                  *Bojan Cukic, PhD - Dean &amp; Professor, College of Computing and Informatics, University of North Carolina at Charlotte                  *Wenwu Tang, PhD - Executive Director, Center for Applied GIScience, University of North Carolina at Charlotte</p> <p align="center"><i>Auditorium, Room 201</i></p>	<p align="center"><b>Building the NAPSG Community</b></p> <p>Building a geospatial community and providing remote geospatial support have proven to be a force multiplier on recent disasters. Jeff Baranyi, Esri, and Jared Doke, NAPSG Foundation, will lead an interactive workshop to dive into the NAPSG Community, how it supports local agencies, and how you can build your own network.</p> <p align="center"><b>Presenters:</b>                  *Jeff Baranyi - Emergency Management Technical Lead, Esri                  *Jared Doke - Program Manager, NAPSG Foundation</p> <p align="center"><i>Room 1104</i></p>
2:15 pm-2:30 pm	<b>Afternoon Break</b>		
2:30 pm-3:45 pm	<p align="center"><b>Using AI Technology to Better Prepare For, Respond To, and Recover From Extreme Weather Events</b></p> <p>In a follow-up to the InSPIRE 2022 session, Datamir and Esri will demonstrate how AI impacts emergency preparedness and response. Case studies from the use of imagery, social media, and other data at the local level will allow attendees to see how similar agencies are already mitigating threats and hazards.</p> <p align="center"><b>Presenters:</b>                  *Joel Tetreault - Senior Director, Research, Datamir                  *Mike Cox - Director of Fire, Rescue, &amp; EMS Solutions, Esri</p> <p align="center"><i>Room 506</i></p>	<p align="center"><b>Research in Public Safety (Part 2)</b></p> <p>What research is being conducted in GIS and technology for public safety? MIT Lincoln Labs, Indiana University, and the University of NC at Charlotte will showcase some of their current research within public safety, and they will host a panel discussion with the audience on future research needs and priorities.</p> <p align="center"><b>Presenters:</b>                  *Chad Council - Humanitarian Assistance and Disaster Relief (HADR) Systems, MIT Lincoln Laboratory                  *Sonny Kirkley, PhD - Director of User Experience, Indiana University                  *Kate Kapalo, PhD - Course Instructor, USFA National Fire Academy                  *Bojan Cukic, PhD - Dean &amp; Professor, College of Computing and Informatics, University of North Carolina at Charlotte                  *Wenwu Tang, PhD - Executive Director, Center for Applied GIScience, University of North Carolina at Charlotte</p> <p align="center"><i>Auditorium, Room 201</i></p>	<p align="center"><b>GIS Solutions Pageant</b></p> <p>Prepare to be dazzled as selected contestants unveil GIS solutions to real-world public safety problems. Each presentation will be evaluated by a panel of judges based on criteria such as creativity, technical complexity, problem-solving efficacy, and overall impact. The audience will also have the opportunity to cast their votes and be part of the fun. Come, be inspired, and celebrate the geospatial solutions that are reshaping our world for the better!</p> <p align="center"><b>Presenter:</b>                  *Jared Doke - Program Manager, NAPSG Foundation</p> <p align="center"><i>Room 501</i></p>
4:00 pm-4:15 pm	<b>Day 2 Debrief &amp; Closing Remarks</b> Peter O'Rourke, Executive Director, NAPSG Foundation <i>Auditorium, Room 201</i>		
5:30 pm-7:30 pm	<b>Sponsor-Hosted Networking Social</b> Ink N Ivy 222 S. Church Street		