



2022 SOUTHEASTERN ITS SUMMIT AGENDA

November 6 – 9, 2022

REVOLUTIONIZE SMART MOBILITY

Previously known as the ITS 3C Summit and ITS 5C Summit, the SE ITS Summit will attract more than 700 transportation professionals and bring together five ITS chapters - ITS Georgia, ITS Carolinas, ITS Florida, ITS Tennessee, and Gulf Region ITS - across eight states for a joint meeting.

The four-day event will be filled with many opportunities for participants to learn and share their knowledge about all things ITS, as well as network with fellow conference attendees. A series of sessions will be offered featuring informative presentations and challenging discussions. Industry experts will share best practices, lessons learned, and new strategies to ensure further success of ITS and TSM&O for the Southeast.

In addition, training and professional tours will be available to provide participants with the knowledge and tools necessary to effectively plan and deploy ITS technologies in their own jurisdictions.

Of course, the conference would not be complete without some networking activities. Attendees will have the opportunity to experience Atlanta with a variety of events showcasing the city.

LOCATION & ACCOMMODATIONS

Hyatt Regency Atlanta
265 Peachtree Street NE
Atlanta, GA 30303

AGENDA

SUNDAY, NOVEMBER 6

12:00 – 6:00 pm	Registration Open	Centennial Foyer
12:00 – 5:00 pm	Exhibit Hall Setup	Grand Hall
5:30 – 6:30 pm	Exhibit Hall Sneak Peek/Networking	Grand Hall
6:30 – 9:00 pm	Welcome Reception	Centennial I - II

MONDAY, NOVEMBER 7

7:00 – 5:00 pm	Exhibit Hall Open	Grand Hall
7:00 – 8:30 am	Breakfast / Exclusive Exhibit Hall Access	Grand Hall
7:30 am – 4:30 pm	Registration & Hospitality Table Open	Centennial Foyer
8:30 – 10:00 am	OPENING SESSION: <ul style="list-style-type: none"> • Mike Holt, Stantec (Conference Chair) • Russell McMurry (Georgia DOT Commissioner) • Tom Glueckert, Kimley-Horn (ITS Georgia President) • Ashley Boenisch, City of Charlotte (ITS Carolinas President) • Craig Carnes, Metric Engineering (ITS Florida President) • Celina Sumrall, Michael Baker Int'l (GRITS President) • Colin Williams, STV (ITS Tennessee President) • Laura Chace (ITS America President & CEO) 	Centennial III - IV
10:00 – 11:00 am	Break / Exclusive Exhibit Hall Access	Grand Hall
11:00 am – 12:00 pm	KEYNOTE SPEAKERS: Scott Marler & Monali Shah	Centennial III - IV
12:00 – 1:30 pm	Lunch / Exclusive Exhibit Hall Access	Grand Hall
1:30 – 3:00 pm	TECHNICAL SESSION 1: “1st and 10” <p>Track 1: Efficiency</p> <ul style="list-style-type: none"> • <i>Charlotte ITS Master Plan – Planning for Rapidly Changing Technology</i> Ashley Boenisch & Cole Dagerhardt, P.E. City of Charlotte, NC & Exult Engineering • <i>TSMO Planning: Creating a Plan for Impact</i> Natalie Smusz-Mengelkoch, P.E. & Maria Roell Kimley-Horn & Atlanta Regional Commission • <i>Concept of Operations for the Georgia Department of Transportation (GDOT) Future Transportation Management Center (TMC)</i> Dolores Uttero & Roberto Perez GDOT & Atkins • <i>TSM&O Academy</i> Dr. Bob Edelstein, P.E. AECOM <p>Track 2: Flexibility</p> <ul style="list-style-type: none"> • <i>The New Look of GDOT’s Qualified Products List</i> Alexander Estrada, P.E. & Arnaud Huguet, P.E. GDOT & AECOM • <i>The Age of Social Media and the Engagement of the TMC</i> Ron Battle & Anslee Schroeder GDOT & AECOM • <i>FDOT Implements New Availability-Based Contract to Improve Maintenance</i> Don Avery, P.E. AECOM • <i>North Carolina Partnerships</i> Jennifer Portanova, P.E., CPM & Wayne Taylor NCDOT 	Centennial I - IV, Hanover C - G

Track 3: Innovation

- *Virginia's Regional Multi-Modal Mobility Program (RM3P)*
Amy T. McElwain
VDOT
- *Video-as-a-sensor Technology Drives Safer Roadways*
Joel White
Bosch Security and Safety Systems
- *Maximizing Traffic Camera Value with Advances in Computer Vision Technology*
Dan Rossiter
SwRI
- *Using Artificial Intelligence in Adaptive Signal Control for Oversaturation*
Kris Milster
NoTraffic

Track 4: Integration

- *If You Build It They Will Come –TDOT I-24 MOTION*
Lee Smith, P.E., Dr. Meredith Cebelak, P.E., & Dr. Dan Work
TDOT, Gresham Smith, & Vanderbilt University
- *Next Generation Integrated Corridor Management*
Clay Weston
SwRI
- *Transportation's Holy Grail: Integrating Transit and Shared Modes through Public Policy*
Dr. Katherine Kortum
TRB

Track 5: Safety

- *Pedestrian/Cyclist Detection Technologies for Western Australia*
Dr. Samaneh Khazraeian
Stantec
- *Using machine learning to understand the correlates of spatio-temporal impacts of traffic incidents: A case study of Alabama freeways*
Dr. Qifan Nie, Zihe Zhang, Dr. Jun Liu, & Dr. Alex Hainen
University of Alabama
- *I-75 Rural ITS Deployment in Tennessee: Overcoming Constraints*
Greg Dyer, PE & Matt Davis, PE, PTOE
TDOT & Stantec

Track 6: Wildcard

- *Crowdsourced Data and Modern Data Management for Smart Mobility*
Greg Jones & Ralph Volpe
FHWA
- *Identifying and Quantifying the Causes of Congestion for States and Counties Throughout the Southeast*

	Nikola Ivanov CATT Lab	
1:30 – 3:30 pm	TECHNICAL TOUR #1: Peachtree Corners Curiosity Lab <i>Bus departs at 1:30 pm from the lobby</i>	Curiosity Lab, Peachtree Corners
3:00 – 3:30 pm	Break / Exclusive Exhibit Hall Access	Grand Hall
3:30 – 5:00 pm	TECHNICAL SESSION 2: “2 nd Down” Track 1: Efficiency <ul style="list-style-type: none"> <i>Performance and Operational Metrics for Ramp Meters in Georgia</i> Kaitlyn Stewart, EI GDOT <i>A Day in the Life of ITS Maintenance</i> David St. John, P.E. & Ben Lempke Lumin8 Transportation Technologies & GDOT <i>Trajectory Based Signal Performance Measures – What are they? And how can they help agencies improve performance and reduce emissions?</i> Shaun Quayle, P.E. INRIX <i>Utilizing ITS Technology to Decrease Greenhouse Gas Emissions</i> Joshua Manriquez, EI Stantec Track 2: Flexibility <ul style="list-style-type: none"> <i>Understanding Origin Destination Travel Patterns Using High Fidelity Probe Data</i> Rick Ayers CATT Lab <i>Post-Game Analysis – The City of Franklin’s First Adaptive Signal Deployment</i> Dr. Meredith Cebelak, P.E. & Adam Moser, P.E. Gresham Smith & City of Franklin <i>Western Wake Traffic Signal System Integration Study</i> Cole Dagerhardt, P.E., Brandon Watson, David Spencer, P.E., & Matt Carlisle, P.E. Exult Engineering, NC Capital MPO, Town of Cary, NC, & NCDOT Track 3: Innovation <ul style="list-style-type: none"> <i>Comparing Connected Vehicle Data Accuracy to Optical Traffic Sensors: What’s the Real Truth on the Ground?</i> Glynn Dennis Rekor Systems <i>Smart Mobility Low Hanging Fruit-Autonomous Vehicles (AV) Shuttle Service Deployment</i> Xuewen Le, PE, PTOE Jacobs <i>VDOT Operations Technology Security and Asset Management Initiative (OTSAAM)</i> 	Centennial I - IV, Hanover C - G

Kevin M. Barron & Kyle Tackett
Iteris, Inc.

- *Traveler Information for Trucks*
Kelly E. Wells, P.E. & Courtney Weeter, P.E.
NCDOT

Track 4: Integration

- *Working Together to Build a Stronger Network*
Steve Wardle + State Agencies
NC, GA, TN, & FL

Track 5: Safety

- *Collision Risk Minimization for Connected Vehicles in the Presence of a Wheelchair at an Intersection*
Dr. Pronab Kumar Biswas, Dr. Sakib Mahmud Khan, & Dr. Mashur Chowdhury, P.E.
Clemson University
- *Intelligently Integrating Connected and Autonomous Vehicles*
Dr. Samaneh Khazraeian & Dan Baxter
Stantec
- *Real-Time Train Detection System: Jacksonville Pilot Test Results*
Clayton Levins & Dr. Garreth Rempel
Smart North Florida & TRAINFO
- *Fort Valley's Lidar Train Pre-Emption Technology*
Roderick Ware, P.E. & David Miranda, P.E.
Lumin8 Transportation Technologies & GDOT

Track 6: Wildcard

- *Intelligent Transportation Systems Facility Management (ITSFM) System*
Kenny Shriver & David Bremer, IMSA III
FDOT & Atkins
- *Fiber Optic Mapping and Management*
Alaa Shams, P.E., CMS & Julian Bordelon, EI
LADOTD & Gresham Smith
- *Four Natural Disasters and a Bombing: A Look at Network Reliability*
Greg Poston, P.E., MBA
Gresham Smith
- *SunGuide®: The Incubator for Innovations in Smart Safety*
Christine Shafik, P.E., PMP & Carla W. Holmes, P.E., PTOE
FDOT & Gresham Smith

6:00 – 9:00 pm	OFFSITE SOCIAL EVENT: Delta Flight Museum <i>Bus departures to the event begin at 5:30 pm from the lobby</i>	Delta Flight Museum
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TUESDAY, NOVEMBER 8

7:00 am – 12:00 pm	Exhibit Hall Open	Grand Hall
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7:00 – 8:30 am	Breakfast / Exclusive Exhibit Hall Access	Grand Hall
7:00 – 8:30 am	ITS Tennessee Breakfast	Baker, ATL Conference Level
7:30 am – 12:00 pm	Registration & Hospitality Table Open	Centennial Foyer
8:30 – 10:00 am	TECHNICAL SESSION 3: “3rd and Short!”	Centennial I - IV, Hanover C - G
	Track 1: Efficiency	
	<ul style="list-style-type: none"> • <i>Data Management and Reporting at the Georgia DOT TMC</i> Dolores Uttero & Catherine Johnson GDOT & AECOM • <i>Beyond Travel Time Validation: A Strategic Plan for Evaluating Emerging Industry Transportation Data</i> Dr. Stanley Young & Zachary Vander Laan Eastern Transportation Coalition & University of Maryland • <i>Seamless Data Acquisition and Management: How an Interstate Data Marketplace Matured Georgia's Big Data Program</i> Denise Markow, P.E., Matt Glasser, P.E., Kofi Wakhisi, Esq., AICP, & Sam Harris, P.E. TETC, GDOT, & ARC 	
	Track 2: Flexibility	
	<ul style="list-style-type: none"> • <i>Adaptive Ramp Meters Technology and Challenges</i> Joey Lefante, P.E. & Alaa Shams, P.E. Stantec & LADOTD • <i>Analysis of Headway and Speed Based on Driver Characteristics and Work Zone Configurations Using Naturalistic Driving Study Data</i> Dr. Chennan Xue & Dr. Dan Xu Arcadis U.S., Inc. & Peters and Yaffee, Inc. • <i>Benchmarking ATSPMs for 40,000 Traffic Signals in the Southeast using Probe Vehicle Data</i> Rick Schuman INRIX • <i>Expanding the Reach of Connected Vehicle Data Using the Connected Vehicle Data Framework</i> Jesus Martinez, P.E., PMP SwRI 	
	Track 3: Innovation	
	<ul style="list-style-type: none"> • <i>NC Broadband</i> Jennifer Portanova, P.E., CPM & Cole Dagerhardt (Moderator) NCDOT & Exult Engineering 	
	Track 4: Integration	
	<ul style="list-style-type: none"> • <i>A Graph-Theoretical Approach to Anticipating the Impacts of Urban Air Mobility (UAM) on Local Accessibility in 367 Small Urbanized Areas in the United States</i> Chenxuan Yang, Maxwell Menner, Dr. Jun Liu, Dr. 	

Xinwu Qian, & Dr. Stephen Jones
University of Alabama

- *The System Manager Experience – FDOT District Two CV Project Deployments*
Ronald Meyer & David Bremer
ATKINS North America, Inc.
- *It's Electrifying! Power Up Your EV Planning with Big Data*
Julie Hirni
StreetLight Data
- *Lost on your Journey to Autonomy? Check the Map.*
DJ Hammingh
Stantec GenerationAV®

Track 5: Safety

- *Towards Vision Zero – Notifying Drivers of Queues and Emergency Situations to Reduce Secondary Crashes*
Terri Johnson, P.E.
INRIX
- *Reducing Emergency Response Times through Cloud-based Emergency Vehicle Preemption*
Timothy Menard
LYT
- *Assimilating to the Borg while Maintaining Identity: Pros and Kahns*
Mike Venable & Chad Franklin
NCDOT
- *Evolution of Traffic Incident Management (TIM) Teams in the Community and Best Practices*
Don Avery, P.E.
AECOM

Track 6: Wildcard

- *How Forward-Thinking Cities are Funding and Deploying Connected Vehicle Technology to Improve*
Jeff O'Brien
Applied Information
- *Gwinnett County Smart Corridor Deployment Program*
Tom Sever & Billy Stalcup
Gwinnett County DOT & 360NS
- *Jacksonville Transit Authority – Ultimate Urban Circulator*
Bernard Schmidt & Acey Roberts, P.E.
Jacksonville Transit Authority & WGI
- *Preparing Your Community for the Autonomous Age*
Lisa Nisenson & Jennifer Foote
WGI & Beep

10:00 – 10:30 am	Break / Exclusive Exhibit Hall Access	Grand Hall
10:00 am – 12:00 pm	TECHNICAL TOUR #2: iATL Lab <i>Bus departs at 10:00 am from the lobby</i>	iATL Lab, Alpharetta

Track 1: Efficiency

- *Using Big Data Analytics to Secure Infrastructure Grants*
Julie Hirni
StreetLight Data
- *Leveraging Alternative Funding for Innovative ITS Pilots*
Dom Ciaramitaro & Amanda Good
NCDOT
- *Transportation Grant Funding – What Should You Pursue?*
Matthew Volz, P.E.
HDR
- *TIM Pilot Projects in Georgia*
Mary Thumaty, P.E., PTOE & Roberto Perez
SEI & Atkins

Track 2: Flexibility

- *Evolution of Emergency Preparedness for Regional Transportation Management Centers*
Don Avery, P.E.
AECOM
- *Wrong Way Driver at the Edge and Beyond - FDOT District 1*
Hadi Daryadel & Luis Hernandez
360ns & FDOT
- *Battery Electric Vehicle (BEV) Fleet Conversion – Is Your Agency Ready?*
Mark Barmasse, P.E., LEP & Akhil Chauhan, P.E.,
PMP
Arcadis
- *Re-Building A Gigabit Wireless ITS Infrastructure After a Hurricane*
Wayne Kairdolf, Mike Brown, & James Sullivan, P.E.
Wireproof Communications, Neel-Schaffer, &
MDOT

Track 3: Innovation

- *Complete Trip-ITS4US Deployment Program: Safe Trips in a Connected Transportation Network (ST-CTN)*
Kofi Wakhisi, Esq., AICP & Maria Roell
Atlanta Regional Commission (ARC)
- *Real-Time Multi-Modal Common Operational Picture Dashboard – An Executive’s View of a State’s Transportation System*
Rick Ayers
CATT Lab
- *Research and Experimentation on the I-24 MOTION Testbed*
Michael Rebick, P.E. & Stephanie Ivey, PhD
WSP & University of Memphis

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- *How The Town of Cary, Nc, Deployed A City-Wide Connected Vehicle System*
David Spencer, P.E.
Town of Cary, NC

Track 4: Integration

- *Enabling Regional Safety and Mobility Through V2X Data Exchange*
Mike Brown
SwRI
- *Traveler Information Benefits of the New 511GA*
Dolores Uttero & Anslee Schroeder
GDOT & AECOM
- *Transforming Transportation Agencies with Automated Workflows and Mobile-First User Experience*
Prasoon Sinha
Arcadis US, Inc.
- *Using the TMC as an Information Clearinghouse: Georgia DOT District 3's Approach to Operations*
Sharon Young & Gina Ison
GDOT & AECOM

Track 5: Safety

- *Traffic Safety Insights Using Connected Vehicle Driving Event Data*
Dr. Masoud Hamedi & Tiffany Symes
Iteris, Inc.
- *Sharing Local Work Zone Data – Collaborating Nationally and Regionally to Save Lives*
Kelly E. Wells, P.E. & Simon Topp
NCDOT & one.network
- *SunTrax: The Future of Transportation Technology Testing*
Ernest Sackey, P.E. & Paul Satchfield, P.E.
Jacobs & Florida's Turnpike Enterprise
- *Advanced Strategies for Emergency Vehicle Preemption using Connected Vehicle Infrastructure*
Dr. Angshuman Guin, Somdut Roy, & Michael Hunter
Georgia Tech University

Track 6: Wildcard

- *Applied Sequential Dynamic Curve Warning System Countermeasures Part 2 – Pilot System Deployment*
Haluk Laman, Ph.D., Scott Zornek, P.E., & Carlo Adair, P.E.
Parsons Corporation & HNTB Corporation
- *Lessons Learned from Deploying Technology While Providing Culturally Sensitive MOD Transportation Services*
Frank Lee & Hannah Wilson
Center for Pan Asian Community Services Shared Use Mobility Center

	<ul style="list-style-type: none"> • <i>Sustainable Integrated Mobility Management</i> Jeffrey Adler, PhD, P.E. Kapsch TrafficCom USA • <i>Active Monitoring of Traffic Signals: How Smarter Signals Make Intersections Safer, Greener and More Equitable</i> Scott Bradley & Ben Reynolds Sentinel Transportation System 	
12:00 pm	Exhibit Hall Closes	Grand Hall
12:00 – 1:00 pm	ITS Carolinas Board Meeting <i>Atlanta Conference Level</i>	Lenox
12:00 – 1:30 pm	Lunch (on your own)	
12:00 – 5:00 pm	Exhibit Hall Teardown	Grand Hall
1:30 – 3:00 pm	TECHNICAL TOUR #3: North Ave Corridor/BeltLine <i>Bus departs at 1:30 pm from the lobby</i>	North Ave. Corridor/BeltLine
2:00 – 4:00 pm	OFFSITE SOCIAL EVENT: Top Golf <i>Bus departures to the event begin at 1:30 pm from the lobby</i>	Top Golf, West Midtown
6:00 – 9:00 pm	OFFSITE SOCIAL EVENT: College Football Hall of Fame <i>Bus departures to the event begin at 5:45 pm from the lobby</i>	College Football Hall of Fame

WEDNESDAY, NOVEMBER 9

7:00 – 8:30 am	Breakfast	Centennial I
7:30– 10:30 pm	Registration & Hospitality Table Open	Centennial Foyer
8:30 – 9:45 am	LOGISTICS ROUNDTABLE <i>Moderator: Caroline Mays, TxDOT</i> <ul style="list-style-type: none"> • Griff Lynch, Georgia Ports Authority • Rebecca Brewster, American Transportation Research Institute (ATRI) • Jannine Miller, GDOT • David Weaver, FedEx • Dr. Aravind Kailas, Volvo Group North America • D’Andrea Larry, Norfolk Southern 	Centennial III - IV
9:45 – 10:15 am	Break	Centennial Foyer
10:15 – 11:30 am	CEO ROUNDTABLE <i>Moderator: Scott Marler, Iowa DOT</i> <ul style="list-style-type: none"> • Russel McMurry, GDOT Commissioner • Dr. Shawn Wilson, LADOTD Secretary • Paul Degges, TDOT Deputy Commissioner • Jim Willis, MDOT Assistant Chief Engineer - Operations • Eric Boyette, NCDOT Secretary • George Conner, ALDOT Deputy Director of Operations • Omar Meitin, FDOT Interim Director of Traffic Engineering and Operations • Daniel Halsted, SCDOT TSMO Engineer 	Centennial III - IV

11:30 am – 12:00 pm	KEYNOTE SPEAKER: Mike Lutzenkirchen, Lutzie 43 Foundation/Closing Session	Centennial III - IV
12:00 pm	Adjourn – Safe Travels!	

QUESTIONS?

We can help! To better assist, please see the best point of contact below for your inquiry:

Attendees	registration@seitssummit.com
Exhibitors	exhibitors@seitssummit.com
Sponsors	sponsors@seitssummit.com
Tech Sessions	technicalprogram@seitssummit.com
General	info@seitssummit.com