



# 2018 ITS Carolinas Annual Meeting: SESSION SYNOPSIS

Monday, February 12, 2017

Charlotte Convention Center, Rooms

7:30-8:30 AM		Registration & Coffee
8:30-9:30 AM		<p>Opening Session</p> <p><b>Welcome:</b> (Welcome, Strategic Planning Efforts 2017; Website, Social Media Contest, intro of Speaker 1 [Overview of 2016 ITS Carolinas Activities]: TBC</p> <p><b>Speaker1:</b> Rep John Torbett;</p> <p><i>*Following is our invitation for everyone to enjoy the interactive sessions</i></p>
9:30-10 AM		Break—Sponsored by
10-11:30 AM	Drone and TMC Tours	<p>Session 1A— (Room 218): Smart Transportation – <i>What is ‘smart’ transportation? What are the projects, technologies, and tools to move cities in a smarter direction? How does CAV, electric vehicles, policy, or behavior changes alter the way we think about how a city should look like? We’ll take a quick look at several tools, methods and projects in a round robin format.</i></p> <p>Moderated by Amanda Good (Kimley-Horn)</p> <ul style="list-style-type: none"> <li>- <b>Pete Costello</b> (Iteris) – Smart City Challenge Commonalities</li> <li>- <b>Kyle Clark-Sutton</b> (RTI) – The Autonomous Revolution and Local Government: Identifying Risks &amp; Opportunities</li> <li>- <b>Dr. Arcot Rajesekar</b> (UNC-CH) – NC Smart and Connected Communities Initiative</li> <li>- <b>Matthew Gibb</b> (Oakland County) – The Economics Behind Deploying Connected Vehicles Technology along Oakland County’s Signals</li> </ul>
		<p>Session 1B – (Room 219): Safety – <i>Enhancing Transportation System Safety through Innovative Technological Solutions - Presentations focusing on Improved Surveillance, Warning and Weather Systems.</i></p> <p>Moderated by Frank Gross (VHB)</p> <ul style="list-style-type: none"> <li>- <b>Scott Himes</b> (VHB) - Intersection Conflict Warning System</li> <li>- <b>Tim Martin</b> (VDOT) and <b>Mike McPherson</b> (VDOT) - I-77 Fog Alert System, Carroll County, VA</li> <li>- <b>Carrie Simpson</b> (NCDOT) - Dynamic Red Phase</li> <li>- <b>Andy Lelewski</b> (NCDOT/NCTA) – Wrong-Way Driving</li> </ul>
11:30 AM – 1 PM		Lunch in Exhibitor Hall—Sponsored by
1-2:30 PM	Drone and TMC Tours	<p>Session 2A— (Room 218): University Research Panel – <i>Automated Vehicles will have a broad impact on not only transportation, but also our daily lives. Come hear panelists from Duke University discuss several aspects of AV including studies ranging from technology developments to ethical and moral decisions. Speakers will present some of their research and involvement in initiatives related to the interaction between humans and robots; artificial intelligence and recent developments related to autonomous vehicles; moral decision making in self-driving cars; policy issues – specifically adaptive regulation options for highly dynamic industries and strategies available to promote innovation while keeping the public safe.</i></p> <p>Moderated by Michael Clamann (Duke University)</p> <ul style="list-style-type: none"> <li>- University panel forum</li> <li>- Lori Bennear (Duke University) – policy</li> <li>- TBD</li> </ul>
		<p>Session 2B— (Room 219): ITS Yesterday, Today, Tomorrow - <i>This session will take us on a time travel trip from the past through the present to the future of technology in transportation. We will discuss Intelligent Transportation Systems of the past; where we are today with North Carolina as an example; and examine how Connected and Automated Vehicles and Smart Cities will impact traveler information and system operations in the future.</i></p> <p>Moderated by Anita Vandervalk-Ostrander (Cambridge Systematics)</p>

	<ul style="list-style-type: none"> <li>- <b>Bob McQueen</b> (The 0Cash Company) – Yesterday-History of ITS, Technology, and Smart Transportation</li> <li>- <b>Meredith McDiarmid</b> (NCDOT) – Today-Overview of ITS in North Carolina</li> <li>- <b>Dr. Randy Butler</b> (CDM Smith) – Tomorrow-What Does the Future of ITS Look Like? Impact of CAV and Smart Cities</li> </ul>
2:30-3 PM	Break—Sponsored by
3:4-3:30 PM	<p>Session 3A— (Room 218): Data – Policy, Management, &amp; Security - <i>Are you using the latest trends and security measures in your ITS applications? This session covers data policy, management, and security. With speakers from Amazon, Cambridge Systematics, and Phoenix Contacts, this session will give you the latest trends on the best way to deal with data in ITS.</i></p> <p>Moderated by: Nikola Ivanov (UM CattLab)</p> <ul style="list-style-type: none"> <li>- <b>Anita Vandervalk-Ostrander</b> (Cambridge Systematics) – Data Policy: US DOT Roadway Transportation Data Business Plan Guidance for State and Local DOTs</li> <li>- <b>Nick Spang</b> (Amazon) – Data Management: Utilizing the Cloud for Intelligent Transportation Systems</li> <li>- <b>John Finta</b> (Phoenix Contacts) – Data Security: Cyber Security for ITS</li> </ul> <p>Session 3B— (Room 219): ITS Technology - <i>Most everyone knows ITS and Technology are joined at the hip. This session will attempt to dig deeper into advances in technology as we move further into the 21st Century. We'll investigate some of the latest trends today and where things are going in the next few years.</i></p> <p>Moderated by Tony Tagliaferri (NCDOT)</p> <ul style="list-style-type: none"> <li>- <b>Jeffrey Adler</b> (Kapsch) - DSRC vs 5G – the latest developments in V2X technologies</li> <li>- <b>Steve Kite</b> (NCDOT) - The I-85 WZ Traffic Management System</li> <li>- <b>Charles Abel</b> (City of Charlotte) and <b>Jon Ringler</b> (Aegis) - The Next Great Thing in Transit Signal Priority</li> </ul>
4:30-6 PM	Cornhole Assignments and Warm-Up in Exhibitor Hall
6-9 PM	Reception/Cornhole Tournament in Exhibitor Hall—Sponsored by

Tuesday, February 13, 2017

Charlotte Convention Center, Rooms

7-8 AM	Networking Coffee (In
8-9:15 AM	<p>Session 1A: - (Room 218): Signal System Arterial Ops and Corridor Mgmt - <i>This session is focused on tools and technology use to improve arterial operations and corridor management by using advanced technologies.</i></p> <p>Moderated by Eddie Curtis (FHWA)</p> <ul style="list-style-type: none"> <li>- <b>Dan Farley</b> PennDOT – Arterial Traffic Tool using Probe Data</li> <li>- <b>Bastian Schroder</b>, Kittleson – high-resolution and probe data study with NCDOT</li> <li>- <b>Eddie Curtis</b> (FHWA) – 2018 Traffic Signal Benchmarking &amp; State of the Practice Report</li> </ul>
	<p>Session 1B: - (Room 219): Incident Management &amp; Operations – Exceptions to the Rules - <i>Traffic Operation and Incident Management functions certainly present daily challenges that we all face. However, how do we handle exceptions to the rules? How do Traffic Operations and/or Incident Management change during crises like hurricanes, bridge collapses or major work zones? Do we think differently? Do we react differently? What rules are broken? Which rules still stand?</i></p> <p>Moderated by Jennifer Portanova (NCDOT)</p> <ul style="list-style-type: none"> <li>- <b>Andrew Heath</b> (GDOT) – I-85 Bridge Collapse and Management of Traffic</li> <li>- <b>Rob Perry</b> (SCDOT) – Eclipse Traffic Management (SC)</li> <li>- <b>Kelly Wells</b> (NCDOT) – Managing Traffic during Hurricane Matthew and subsequent Flooding</li> </ul>
9:15-9:30 AM	Intermission
9:30-10:45 AM	<p>Session 2A: (Room 218): Signal System Technology – Planning for the Future - <i>This session will be a panel of experts available for questions on the infrastructure and technologies needed/available to support the future of high resolution data and connected vehicles for signal systems.</i></p> <p>Moderated by Zachary Clark (NCDOT)</p> <ul style="list-style-type: none"> <li>- <b>Mohd Aslami</b>, (NCDOT) Infrastructure needs – communication, protocols, hardware</li> <li>- <b>Erin Skimson</b>, (Miovision) – Alternative options to infrastructure upgrades</li> </ul>

	<ul style="list-style-type: none"> <li>- <b>Howell Li</b> - Purdue University Joint Transportation Research Program</li> <li>- <b>Mike Clance</b> (Intelight)</li> </ul>
	<p>Session 2B: (Room 219): ITS: Service to the Public - <i>The goal of this session is to remind us <u>why</u> we ultimately “do” ITS and TSMO; to serve the citizens. You know, those people traveling up and down I-77 or I-95 as we type our emails and sort our spreadsheets! ☺ Our panelists will share the cool things they are doing or see coming to our industry that will help us serve the public better. Our panel discussion will include asking what the biggest gaps and opportunities are, to both the public and private sectors, in serving the traveling public going forward.</i></p> <p>Moderated by Tiger Harris (Iteris)</p> <ul style="list-style-type: none"> <li>- <b>Mary Farrell</b> (Information Logistics) – 511PAConnect and Hands-Free-Eyes-Free Mobile App</li> <li>- <b>Brendan Kaplan</b> (PANYNJ) – WAZE</li> <li>- <b>Terri Johnson</b> (HERE) – The Next Generation of Transportation</li> </ul>
10:45-11:15 AM	Break—Sponsored by
11:15 AM – 12 PM	Closing Session: (Room 218-219) Strategic Planning for 2018/2019 [Moderated by Dave Simmons (Atkins)] - <i>Focus on gathering member input on the action items the chapter should take forward for the upcoming year based on the strategic plan that was presented in the Opening Session</i>