REIMAGINING TRANSPORTATION: SPECIAL INTEREST SESSIONS PROGRAM
ITS America 2021 Annual Meeting | Charlotte, North Carolina

TUESDAY DECEMBER 7, 2021	ORGANIZER	START TIME	END TIME	FOCUS TOPIC
Make New Connections, Keep the Old: Integrating in New Technologies for Enhanced Pedestrian Detection	Parsons	1:00 PM	2:00 PM	*Safety*
20/20 Vision – Deploying Smart Intersections for Safe Mobility	University of Michigan	1:00 PM	2:00 PM	*Connected Vehicle*
Leveraging CAV to Improve Fuel Economy and Emission Reduction	Southwest Research Institute	1:00 PM	2:00 PM	*Automated Vehicle (Passenger and Cargo)*
The Big Data Revolution has Begun – How Agencies are Transforming Their Futures	Jarrod Cady	1:00 PM	2:00 PM	*Artificial Intelligence/ Machine Learning*
Improving Efficiency and Citizen Experience Through Backoffice Modernization and Cloud Technology	Amazon Web Services	2:30 PM	3:30 PM	*Infrastructure*
The Urban-suburban Swap: How Cities are Altering Transit to Account for Residents Fleeing Urban Centers	Via	2:30 PM	3:30 PM	*Rural*
Quantifying the Health and Health Equity Impacts of Automated Vehicles: A Conceptual Framework and Literature Review *(Paper Presentation)*	Texas A&M Transportation Institute	2:30 PM	3:30 PM	*Automated Vehicle (Passenger and Cargo)*
Development of a connected vehicle data framework *(Paper Presentation)*	Southwest Research Institute	2:30 PM	3:30 PM	*Connected Vehicle*
Emergency Vehicle Preemption Using Connected Vehicle Technology *(Paper Presentation)*	HNTB	2:30 PM	3:30 PM	*Connected Vehicle*
Smart Cities/Corridors – Data interoperability for multiple jurisdictions to enhance situational awareness	Skyline Technology Solutions	2:30 PM	3:30 PM	*Smart City*

Cyber Incident Management: Preparation and Response to Cyber Attacks	Southwest Research Institute	4:00 PM	5:00 PM	*Cybersecurity*
A Broader Path to Vision Zero Through Emerging Vehicle Safety Technologies	Brandmotion	4:00 PM	5:00 PM	*Safety*
WEDNESDAY DECEMBER 8, 2021				
Super-Distracted. As CAV promises to eliminate distracted driver accidents in support of Vision Zero, are we as an industry inserting even greater distraction?	HNTB	8:00 AM	9:00 AM	*Safety*
Innovative Strategies and Technologies being deployed to Reimagine Traffic Incident Management	AECOM	8:00 AM	9:00 AM	*Transportation Systems Operations*
Driving Gender Equity in Transportation - How do we do it?	The Plum Catalyst	9:30 AM	10:30 AM	*Equity*
Building for Resiliency in Transportation & Beyond: Climate Change & Extreme Weather	Google	9:30 AM	10:30 AM	*Artificial Intelligence/ Machine Learning*
Smart Traffic Signs and Machine Vision System to Support Connected and Autonomous Vehicles Operation	Tolga Ercan	9:30 AM	10:30 AM	*Artificial Intelligence/ Machine Learning*
Interstate 24 MOTION open road testbed *(Paper Presentation)*	William Barbour	9:30 AM	10:30 AM	*Transportation Systems Operations*
Security for Transportation Management in the Connected and Automated Vehicle Future *(Paper Presentation)*	Vincent Mayeda	9:30 AM	10:30 AM	*Cybersecurity*
Scalable Cloud-based Vehicle Trajectory Traffic Signal Performance Measures *(Paper Presentation)*	Enrique Daniel Saldivar-Carranza	9:30 AM	10:30 AM	*Connected Vehicle*
The Future Starts Now: Developing a Workforce that Represents the Communities We Serve	Mineta Transportation Institute	3:30 PM	4:30 PM	*Equity*
Coffee, Complicated by COVID, Effective Pandemic Relief Communication To Truckers	Truck Specialized Information Services	3:30 PM	4:30 PM	*Truck Operations/CVO*
How to Implement App-Based Bicycle Detection: Navigating Technical and Political Pathways	Siemens	3:30 PM	4:30 PM	*Smart City*

THURSDAY DECEMBER 9, 2021				
Connecting Connected Vehicles and Infrastructure, Making It Work	Pillar Consulting, Inc.	8:00 AM	9:00 AM	*Connected Vehicle*
Findings and Reducing Delay and Emissions Thousands of Signals at a Time	INRIX	8:00 AM	9:00 AM	*Transportation Systems Operations*
The Future of Public Transit Now That Autonomous Vehicles Have Arrived	Robotic Research	8:00 AM	9:00 AM	*Smart City*
Next Generation Work Zone Data Integration and Dissemination – Work Zone Data Exchange (WZDx) Development from Planning to Operations *(Paper Presentation)*	Tony Leingang	11:00 AM	12:00 PM	*Data Specifications (MDS, WZDx, GTFS, GBFS, MDC)*
PANYNJ - Automated Traffic Signal Performance Pilot using big data – a Case Study *(Paper Presentation)*	Luigi Casinelli	11:00 AM	12:00 PM	*Transportation Systems Operations*
Mapping and Partnership System (MAPS) – Leveraging Partnerships with Third Party Navigation Platforms *(Paper Presentation)*	Jennifer Bates	11:00 AM	12:00 PM	*Transportation Systems Operations*
NEMA TS 10- A harmonized specification for Connected Vehicle Infrastructure- Roadside Equipment	NEMA	11:00 AM	12:00 PM	*Infrastructure*
A State-Wide central data management system for truck compliance stations *(Paper Presentation)*	Michael Wieck	11:00 AM	12:00 PM	*Truck Operations/CVO*
Factoring Sustainability, Equity, and Access into Transportation Planning	LADOT	11:00 AM	12:00 PM	*Equity*
Planning a Drone Program for Your Organization or Municipality	Safeguards Consulting, Inc.	1:00 PM	2:00 PM	*Other*
Safety message brokering: Ensuring data compatibility across boundaries	Kathryn Blackwell	1:00 PM	2:00 PM	*Communications / Spectrum*
State of the Art Review of Cooperative Automated Transportation (CAT) Systems	WSP	1:00 PM	2:00 PM	*Equity*
Broadband expansion to meet ITS and Emerging Technology Safety, Mobility and Equity Goals	AECOM	2:30 PM	3:30 PM	*Infrastructure*
The 2030 Transportation Landscape and Ecosystem	Econolite	2:30 PM	3:30 PM	*Connected Vehicle*
Barriers To Successful Implementation Of ITS	Gannett Fleming, Inc.	2:30 PM	3:30 PM	*Infrastructure*
The Rise of Mobility On Demand – Cities Taking Control of their Mobility Destiny	Cubic	2:30 PM	3:30 PM	*MOD / MaaS*

New services in Tire pressure management to Minimise emissions and fuel consumption *(Paper Presentation)*	Robert McQueen	4:00 PM	5:00 PM	*Transportation Systems Operations*
Applying the PepC Methodology to Win the Bay Area 2030 Mobility Future *(Paper Presentation)*	Steve Raney	4:00 PM	5:00 PM	*MOD / MaaS*
Incorporation of Original Equipment Manufacturers into a Connected Vehicle Deployment	HNTB	4:00 PM	5:00 PM	*Connected Vehicle*
INCEPTS: Software for High-Fidelity Electric Vehicle En Route State of Charge Estimation, Fleet Analysis and Charger Deployment *(Paper Presentation)*	Matthew Guttenberg	4:00 PM	5:00 PM	*Infrastructure*
Big Data Analytics for Hurricane Emergency Preparedness and Response *(Paper Presentation)*	Masoud Hamedi	4:00 PM	5:00 PM	*Transportation Systems Operations*
Ready for Takeoff: Advanced Air Mobility in America's Cities	HNTB	4:00 PM	5:00 PM	*Urban Air Mobility*
FRIDAY DECEMBER 10, 2021				
Recognition and Co-Analysis of Pedestrian Activities in Different Parts of Road using Traffic Camera Video *(Paper Presentation)*	Weijia Xu	8:00 AM	9:00 AM	*Artificial Intelligence/ Machine Learning*
Leadership Amid Crisis: Reimagining Transportation to be more Sustainable and Equitable for All	SEPTA	8:00 AM	9:00 AM	*Safety*
Minnesota Department of Transportation Connected and Automated Vehicle Traveler Alert System *(Paper Presentation)*	Clifford Heise	8:00 AM	9:00 AM	*Safety*
Curbing Congestion With Curb Management	HNTB	8:00 AM	9:00 AM	*Smart City*
E-Walk application, a Smartphone Application to Improve People With Special Needs' Safety, Accessibility, and Mobility in a Connected Vehicle Environment *(Paper Presentation)*	Chelsie McKittrick	8:00 AM	9:00 AM	*Safety*
Applied Sequential Dynamic Curve Warning System Countermeasures Part 2 – Pilot System Deployment *(Paper Presentation)*	Keith DeLuca	8:00 AM	9:00 AM	*Safety*
How Cities are Reducing Vehicle Minutes Traveled to Boost the Local Economy and Minimize Congestion & Emissions	Gordon Feller	8:00 AM	9:00 AM	*Smart City*
Cybersecurity isn't infrastructure? Like Hell, It Isn't.	Mission Secure	8:00 AM	9:00 AM	*Cybersecurity*

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