

## ITS AMERICA - JUNE 2019 CONFERENCE PROCEEDINGS

Below you will find the papers and presentations from the 2019 Annual Meeting.  
Only papers/presentations that were approved to be shared will be found below.

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### Executive Session Presentations

ES03: AV's Healthcare and Aging

- [ES03 Presentation](#)

ES04: How Innovative Mobility Solutions are Improving Accessibility for All Users

- [ES04 Presentation/Fulton](#)

ES05: Challenges and Opportunities of Data Sharing for Transportation Operations

- [ES05 Presentation](#)

ES06: Freight in the 21st Century

- [ES06 Presentation/Boyd](#)
- [ES06 Presentation/TuSimple](#)

### Special Session Presentations

SS01: Connected Vehicle Pilot Deployment Program-Managing and Operating at Scale

- [SS01 Presentation](#)

## Special Session Presentations

SS04: A Framework for Connected Vehicle Privacy and Cybersecurity

- [SS04 Presentation](#)

SS06: Connected Vehicle Pilot Deployment Program-Resolving Technical Challenges

- [SS06 Presentation](#)

SS07: A Call to Action! Addressing Accessibility, Equity and Mobility with Automated Vehicles

- [SS07 Presentation/Adelman](#)
- [SS07 Presentation/Andrews](#)
- [SS07 Presentation/FTAStar](#)
- [SS07 Presentation/Tyson](#)

SS10: Driving Towards the Future of Intelligent Transportation

- [SS10 Presentation](#)

SS12: AI Trends in Intelligent Transportation Systems (ITS)

- [SS12 Presentation/Borener](#)
- [SS12 Presentation/Thompson](#)
- [SS12 Presentation/Walker](#)

SS13: Do Infrastructure Managers Have Any Role or Should They Just Get Out of the Way?

- [SS13 Presentation/Feigenbaum](#)
- [SS13 Presentation/Steudle](#)

SS14: Mobility Analysis and ITS Freight Solutions to Improve Freight Fluidity

- [SS14 Presentation/Mahapatra](#)
- [SS14 Presentation/Parker](#)
- [SS14 Presentation/Pifer](#)

## Special Session Presentations

SS15: Navigating Work Zones in A CAV Environment

- [SS15 Presentation/Knickerbocker](#)
- [SS15 Presentation/Mueller](#)
- [SS15 Presentation/Parikh](#)
- [SS15 Presentation/Peterson](#)
- [SS15 Presentation/Saleem](#)

SS17: The Imperative Role of Standards in the Connected & Automated Vehicle Landscape

- [SS17 Presentation/Schlaff](#)

SS18: Why the Future of Traffic Management Depends on the IOT-ITS Integration

- [SS18 Presentation/Edelstein](#)

SS20: Making TSMO "Stick": Building an Organizational Culture for Transportation Systems Management & Operations

- [SS20 Presentation/Cook](#)
- [SS20 Presentation/Hibbard](#)
- [SS20 Presentation/Scriba](#)

SS21: Cybersecurity Hot Topics: Protecting People, Data and Resources

- [SS21 Presentation/Kopko](#)
- [SS21 Presentation/Lindley](#)
- [SS21 Presentation/Nielson](#)
- [SS21 Presentation/Provost](#)
- [SS21 Presentation/Rao](#)

SS22: Automated Traffic Signal Performance Measures Using Emerging Data Sources

- [SS22 Presentation/CATTLab](#)
- [SS22 Presentation/Franz](#)
- [SS22 Presentation/Pack](#)
- [SS22 Presentation/Remias](#)

## Special Session Presentations

SS23: DSRC Devices - Deployment to Data

- [SS23 Presentation/Bezzina](#)
- [SS23 Presentation/Frey](#)
- [SS23 Presentation/Pack](#)
- [SS23 Presentation/Reed](#)

SS24: Education Our TSMO Workforce-Teaching Old Dogs and Puppies New Tricks

- [SS24 Presentation/Ivey](#)
- [SS24 Presentation/Rotering](#)
- [SS24 Presentation/Scriba](#)
- [SS24 Presentation/Son](#)
- [SS24 Presentation/Volpe](#)

SS25: The Traffic Engineer's Changing Role in the Era of ATSPMs and Connected Infrastructure

- [SS25 Presentation](#)

SS26: Public-Private Data Marketplaces for Intelligent Transport Innovation

- [SS26 Presentation](#)

SS27: Smart Cities Success Will Depend on ITS

- [SS27 Presentation/Donaldson](#)
- [SS27 Presentation/Flynn](#)
- [SS27 Presentation/Kennedy](#)
- [SS27 Presentation/Keong](#)
- [SS27 Presentation/Milster](#)

SS28: The Changing Legal Landscape

- [SS28 Presentation/Glasser](#)
- [SS28 Presentation/Warren](#)

## Special Session Presentations

SS29: Revolutionizing Transportation: Reinventing Mobility and Creating Sustainable Ecosystems

- [SS29 Presentation/Remias](#)

SS31: ATSPM: Using Moving Data to Move People Through Intersections

- [SS31 Presentation/Glasser](#)
- [SS31 Presentation/Stevanovic](#)
- [SS31 Presentation/Wire](#)

SS34: U.S. Department of Transportation (USDOT) Data for Automated Vehicle Integration (DAVI)

- [SS34 Presentation/Gold](#)

SS35: Infrastructure Maturity - Supporting Advanced ITS and CV Technologies

- [SS35 Presentation/Dye](#)
- [SS35 Presentation/Lennon](#)
- [SS35 Presentation/Rao](#)

SS36: Proactive Intersection Safety

- [SS36 Presentation/Janzen](#)
- [SS36 Presentation/Torrez](#)
- [SS36 Presentation/Zhang](#)

SS37: Smart Safety - Emergency Responder Use of CAV Technologies

- [SS37 Presentation/Arnold](#)
- [SS37 Presentation/Cowan](#)
- [SS37 Presentation/Delbridge](#)
- [SS37 Presentation/Sagal](#)

## Special Session Presentations

SS38: Preparing Infrastructure for Automated Vehicle Systems-Road Markings, Dynamic Maps and Work Zones

- [SS38 Presentation/Carlson](#)
- [SS38 Presentation/Hawkins](#)
- [SS38 Presentation/Jehlicka](#)
- [SS38 Presentation/Sheckler](#)

SS39: Building A Physical and Digital Infrastructure for Smart Cities

- [SS39 Presentation/Sung](#)

SS40: Executive Challenges and Cyber Threats

- [SS40 Presentation/Anderson](#)
- [SS40 Presentation/Blackburn](#)
- [SS40 Presentation/McClave](#)

SS41: Bridging the Gap in Vulnerable Road User Safety: The Role of ITS

- [SS41 Presentation](#)
- [SS41 Presentation/Lower](#)

SS42: Private-Sector Trajectory Data for TSMO and Planning Applications

- [SS42 Presentation/Franz](#)
- [SS42 Presentation/Pack](#)
- [SS42 Presentation/Schuman](#)
- [SS42 Presentation/UMD](#)
- [SS42 Presentation/Young](#)

SS45: US 33 - The Road to a Connected Corridor

- [SS45 Presentation/Monroe](#)

SS46: Smart Infrastructure for Smart Vehicles

- [SS46 Presentation](#)

## Special Session Presentations

SS48: Interoperable Integration of Automation Into the Highway Transportation System

- [SS48 Presentation](#)
- [SS48 Presentation/FHWA](#)
- [SS48 Presentation/Sill](#)

SS51: Moving Data: Unlocking Land Potential Through Smarter Mobility

- [SS51 Presentation/Coleman](#)
- [SS51 Presentation/Khit](#)
- [SS51 Presentation/Masongsong](#)
- [SS51 Presentation/McMann](#)

SS52: The Case for Cellular V2X

- [SS52 Presentation/Clelland](#)
- [SS52 Presentation/Krueger](#)

SS55: Improved Mobility with CAV Technology

- [SS55 Presentation/Boone](#)
- [SS55 Presentation/Kenderdine](#)
- [SS55 Presentation/Lynott](#)
- [SS55 Presentation/Reustman](#)

SS57: How Your Organization Can Utilize the ITSA Data Exchange

- [SS57 Presentation](#)

SS59: Keeping it Moving: Sharing Data Across State Lines

- [SS59 Presentation](#)

## Technical Session Papers/Presentations

### TS01: AI Applications Related to Pedestrians and Traffic Management

- [TS01\\_PaperID16476](#)
- [TS01\\_PaperID16577](#)
- [TS01\\_PaperID16597](#)

### TS02: Challenges and Opportunities of Automated Vehicles

- [TS02\\_PaperID16445](#)
- [TS02\\_PaperID16630](#)
- [TS02\\_PaperID16660](#)

### TS03: Turning Data Into Actionable Information

- [TS03\\_PaperID16435](#)
- [TS03\\_PaperID16437](#)

### TS04: Lessons Learned in Planning and Piloting CAV Projects

- [TS04\\_PaperID16564](#)
- [TS04\\_PaperID16578](#)
- [TS04\\_PaperID16631](#)
- [TS04\\_PaperID16692](#)

### TS05: Innovative Strategies for Improving Operations

- [TS05\\_PaperID16350](#)
- [TS05\\_PaperID16377](#)
- [TS05\\_PaperID16676](#)

### TS06: Connected Vehicle Application for Work Zones

- [TS06\\_PaperID16281](#)
- [TS06\\_PaperID16390](#)
- [TS06\\_PaperID16501](#)
- [TS06\\_PaperID16719](#)
- [TS06\\_PaperID16730](#)



## Technical Session Papers/Presentations

### TS07: Innovations in Truck Automation and Safety

- [TS07\\_PaperID16470](#)
- [TS07\\_PaperID16588](#)
- [TS07\\_PaperID16687](#)

### TS08: Better Operations from Data Collection and Analysis

- [TS08\\_PaperID16288](#)
- [TS08\\_PaperID16374](#)
- [TS08\\_PaperID16627](#)
- [TS08\\_PaperID16729](#)

### TS09: Using ITS Priority, Preemption and Grade Crossings

- [TS09\\_PaperID16357](#)
- [TS09\\_PaperID16508](#)
- [TS09\\_PaperID16575](#)
- [TS09\\_PaperID16629](#)

### TS10: Connected Vehicle Technology Deep Dive

- [TS10\\_PaperID16406](#)
- [TS10\\_PaperID16430](#)
- [TS10\\_PaperID16582](#)
- [TS10\\_PaperID16664](#)

### TS11: Securing Data, Infrastructure and Connectivity

- [TS11\\_PaperID16373](#)
- [TS11\\_PaperID16415](#)
- [TS11\\_PaperID16562](#)

## Technical Session Papers/Presentations

TS12: Automation Applications to Improve Safety and Help the BMO Process

- [TS12\\_PaperID16283](#)
- [TS12\\_PaperID16417](#)
- [TS12\\_PaperID16681](#)

TS13: Improving Accessibility Through ITS

- [TS13\\_PaperID16552](#)
- [TS13\\_PaperID16643](#)
- [TS13\\_PaperID16645](#)