



2024

ITS Maryland
Annual Meeting



November 22, 2024
Maritime Conference
Center



Message from ITS Maryland

Welcome to the 2024 Intelligent Transportation Society (ITS) of Maryland Annual Meeting. This is our 29th ITS Maryland annual meeting. We have a great day planned for you! Our theme for the meeting today is "Smart Mobility, Safer Journeys."

From Incident Management and Operations and Regional Projects to Connected and Autonomous Vehicles, Signal Technology, and Digital Infrastructures, we will be exploring various ways to improve mobility with technology and make our transportation systems safer for all road users.

We'll start the day with a keynote address from Danielle Deverell of Total Traffic & Weather Network. Next, we'll have the Exhibitor Lightning Round where you'll get a preview of what each exhibitor has to offer. Our many exhibitors are set up in the hallway with lots of information to share about various technologies, so please make sure to stop by and connect with them between technical sessions.

The morning technical sessions are split and you'll have a choice of Incident Management and Operations or Regional Projects. Then during lunch, we'll have our business meeting where you'll hear all about the exciting events we've had this year and we'll be announcing the winners of the ITS Maryland election, as well as the recipients of scholarships and other awards. You definitely won't want to miss the lunch keynote by the MDTA Executive Director, Bruce Gartner.

To start the afternoon, you'll have a choice between a technical session on Connected and Autonomous Vehicles or a technical session on Signal Technology. Next, there will be a panel discussion on Digital Infrastructure. After the panel discussion, we'll close out the meeting with a raffle for prizes before heading to the hallway for a happy hour.

We sincerely hope you find this Annual Meeting to be meaningful, whether it's taking away some knowledge that you can apply in your workplace, or making some new connections and friendships. Please join us in thanking the ITS Maryland committee members and volunteers who have helped to make this event possible, especially Amy Morris, the 2024 Vice President of ITS Maryland and Conference Chair. A full list of all those who have contributed to this event is included in this program. A lot of time and energy goes into making a conference like this happen, so we are extremely grateful for their efforts. We're also extremely grateful for all of you attending. Your support and engagement is critical to the success of ITS Maryland. We hope to see you at more of our events, and we would love to receive feedback and hear from you regarding any ideas you have for our future events or ways we can better serve you in the ITS industry.

If you are new to ITS Maryland, please take a look at our website www.itsmd.org. It has been recently redeveloped and contains lots of helpful information including membership benefits, applications for membership, upcoming events, useful ITS resources, etc. Also, if you're a student or know any students in the industry, please spread the word that student memberships for ITS Maryland are now free, and we encourage student participation in all of our events and meetings.

This year's Professional Development Hours (PDH) will be issued automatically to session attendees. As you enter each session, the QR code on your badge will be scanned and your attendance at that session recorded. Following the event, you will receive an email with your PDH certificate attached for each session that you attended. Please note that it may take a week or two following the event to receive the e-mail with the credits. ITS Maryland is an approved provider of Continued Professional Competency (CPC) courses by the State of Maryland to help you fulfill the requirements for your Professional Engineer (PE) license, Professional Traffic Operations Engineer (PTOE) and other certifications. We only award PDHs based on the number of hours you attended.

If you have any questions or need anything throughout the day, please feel free to stop and ask any of our ITS Maryland Officers. We hope you have a wonderful day here at our 29th Annual Meeting!

Erin Filler, P.E., PTOE

ITS Maryland President





Thank You to our Volunteers!

On behalf of ITS Maryland, we would like to extend our sincere thanks to our volunteers who help organize this conference and many other events throughout the year. The hard work and dedication of these folks makes all of this possible!

Annual Meeting Coordination and Planning

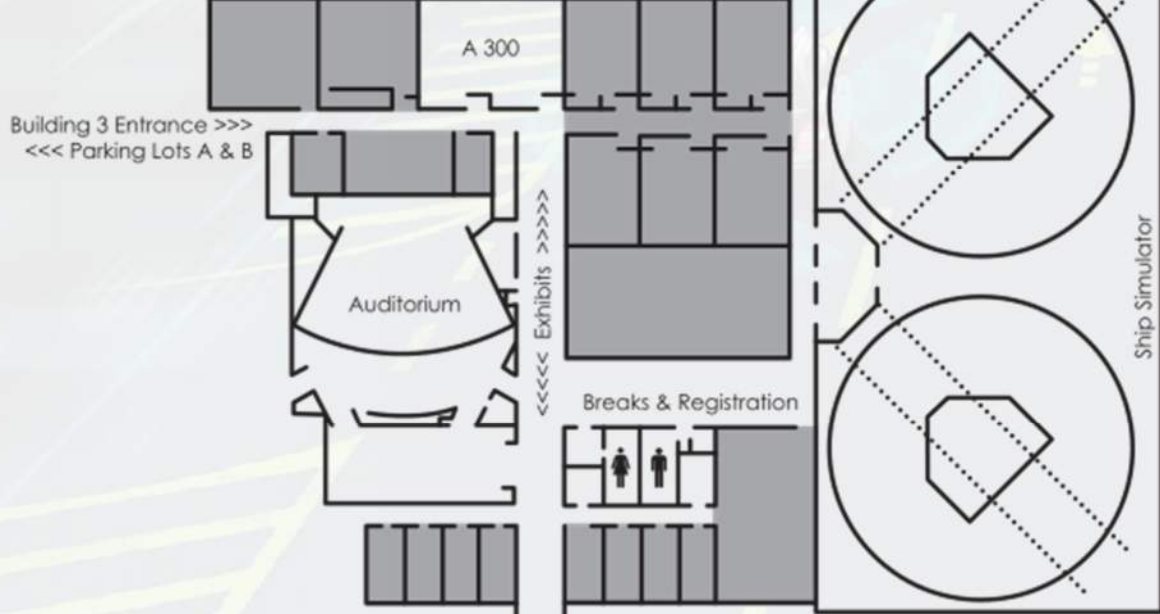
- Amy Morris, T3 Design
ITS Vice President and Meeting Chair
- Erin Filler, toXcel
ITS Maryland President
- Brian Grandizio, RK&K
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- Saskia Herrera-Riggs, SHA
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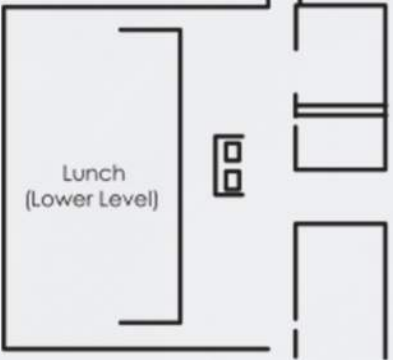


Conference Center Map

Building 3 | First Floor



Building 4 | First Floor



Building 4 | South Tower

<<< Main Entrance
Parking Lot D >>>

Schedule of Events

8:00 – 8:30	Registration, Continental Breakfast & Exhibits	
8:30 – 9:15	WELCOME ADDRESS: Erin Filler, ITS Maryland President KEYNOTE ADDRESS: Danielle Deverell (provided by Total Traffic & Weather Network)	
9:15 – 10:15	EXHIBITOR LIGHTNING ROUND Moderator: Jim Lampe (Control Technologies Inc.)	
10:15 – 10:30	BREAK/EXHIBITS	
10:30 – 11:45	<p>Session 1 A – Incident Management and Operations Room: Auditorium Moderator: Roger Boothe (WSP)</p> <p>Updates from SHA Incident Management and AASHTO CTSO – Jason Dicembre (MDOT)</p> <p>Real Time Transportation Operations through AI and Predictive Modeling – Brian Garrett (Econolite)</p> <p>Transportation Operations Case Studies – Anam Ardeshir and Keith Riniker (Mead & Hunt)</p>	<p>Session 1 B – Regional Projects Room: A300 Moderator: Glenn Havinoviski (JMT)</p> <p>Analysis of Key Bridge-Related Traffic Changes –Greg Jordan (UMD CATT Lab)</p> <p>ITS Applications at the HRBT in VA – Steve Kimble (HDR)</p> <p>AI-Enhanced Transportation Operations and Management System (AI-TOMS) in Delaware - Xiaoliang (George) Zhao (Blue Halo)</p>
12:00 – 1:30	Lunch/Exhibits, Business Meeting, Awards, Scholarship Awards LUNCH KEYNOTE: Bruce Gartner (MDTA)	
1:30 – 2:45	<p>Session 2 A – Connected and Autonomous Vehicles Room: Auditorium Moderator: Diederick VanDillen (Jacobs)</p> <p>CV Technology – Frank Perry (WSP)</p> <p>Integrating TIM and CAV (NCHRP Report 1104) – Eileen Singleton (Baltimore Metropolitan Council)</p> <p>MUTCD Section 5 -- Roxane Mukai (MDTA)</p>	<p>Session 2 B – Signal Technology Room: A300 Moderator: Saskia Herrera Riggs (SHA OPR)</p> <p>Enhancing Intersection Safety through LiDAR – Randy Dominick (TS&T)</p> <p>Delaware Avenue Separated Bikeway – Mir Wahed (JMT)</p> <p>Connected Intersections – Craig Hinners (NoTraffic)</p>
2:45 - 3:00	BREAK/EXHIBITS	
3:00-4:15	<p>Session 3 – Digital Infrastructure Panel Room: Auditorium Moderator: Dan Corey (STV)</p> <p>Nicole Katsikides (FMCSA) Carole Delion (Delion Consulting) John Contestabile (Skyline Technology Solutions) Trish Hendron (The Eastern Transportation Coalition)</p>	
4:15-4:30	CLOSING MESSAGE: Erin Filler, ITS Maryland President	
4:30 – 6:30	HAPPY HOUR	

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Session Descriptions

Session 1A: Incident Management and Ops

One of the biggest challenges for transportation agencies and traffic management operators has and continues to be improving traffic management efficiencies and operations while preparing for future roadway conditions. Addressing growing traffic congestion while simultaneously planning for new mobility applications, including connected vehicle management, will present a significant barrier to optimizing future roadway efficiencies. This session includes a presentation on how SHA is advancing ITS and TSMO, as well as a discussion about AASHTO's Transportation Operations Manual. Other speakers will discuss the future requirements of a next-generation cloud-based traffic management platform of integrated smart mobility technologies that can leverage new traffic sensing and machine learning technologies to achieve the predictive capabilities of non-recurrent traffic conditions in large-scale networks, as well as three case studies in outsourcing multimodal traffic signal timing and operations in Maryland.

Moderator: Roger Boothe, WSP

Roger Boothe is a Senior Vice President with WSP. He leads the Program Management and Construction Management business in the Mid Atlantic. He is a Business and Practice Builder with experience building business units "from the ground up" into multi-million-dollar enterprises. He is a Heavy civil Design/Build and Public-Private Partnership advisory expert across a range of asset classes. He brings Thirty years of experience in the transportation industry, with leadership roles in some of the United States' largest highway P3s, with constructed costs in the billions of dollars. He offer a Unique perspective combining private-sector and government work experience and knowledge, with emphasis on planning, programming, investment, contracts and financial management, and construction of Transportation Infrastructure, Asset Management and Intelligent Transportation Systems. He is a University of Maryland alum, with an MBA from Loyola University in Baltimore.

Updates from SHA Incident Management and AASHTO

CTSO: Jason Dicembre, MDOT

Jason oversees the MDOT SHA's Office of Transportation Mobility Operations Office, home to CHART, as well as the agency's Traffic Management Centers (TMCs), traveler information programs, and ITS programs. He has over 20 years of experience in traffic operations, serving a majority of his career leading SHA's TMC Operations. Jason continues to be a champion for the use of data for real-time traffic incident management operations, serving as MDOT's representative on both the Traffic Management Center and Safety Service Patrol Pooled Fund Studies as well as The Eastern Transportation Coalition Highway Operations Group and AASHTO Committee on Transportation System Operations (CTSO).

Real Time Transportation Operations through AI and Predictive Modeling: Brian Garrett, Econolite

Brian Garrett is a seasoned Sales Director with nearly two decades of expertise in the transportation industry, particularly in traffic, transit, and transportation management systems. His experience includes leading large-scale project procurement efforts that have significantly impacted public sector clients. Brian has a proven track record of navigating complex opportunities and delivering innovative solutions tailored to the unique needs of transportation organizations. His understanding of intelligent transportation systems and technical solutions has contributed to many important North American transportation projects. Some examples of Brian's recent project work include the Los Angeles Metro multi-agency integrated passenger information and transit ticketing system, Vermont Department of Transportation cloud-hosted Signal Performance Measure Upgrade, & Lee County Signal Priority project for Transit and Emergency vehicles.

Transit Signal Priority Case Studies: Anam Ardeshir and Keith Riniker, Mead & Hunt

Anam Ardeshiri is the northeast department manager at Mead & Hunt with 18 years of research and industry experience in traffic engineering and ITS. He specializes in signal timing and phasing optimization, signal controller programming, transit signal priority, and signal systems. He is a former adjunct faculty at Morgan State University.

Keith Riniker, PE, PTOE is the Business Unit Lead for Traffic & Mobility at Mead & Hunt. He has a patented connected-vehicle application and is the inventor of the Folded-Lefts Interchange. His area of practice is in Arterial Traffic Management. He is currently serving as the Co-P.I. for the National Signal Timing Manual update.

Session Descriptions

Session 1B: Regional Projects

The collapse of the I-695 Francis Scott Key Bridge made national news headlines and has dramatically impacted lives and traffic in the region. In this session, we will explore changes in traffic patterns and levels since the collapse. Across the river in Virginia, the Hampton Roads Bridge-Tunnel (HRBT) Expansion project is the largest highway construction project in the history of Virginia, with a total budget over \$3.9B. This session will include an overall description of the HRBT project, interesting ITS aspects of the design, as well as the systems engineering process and some latest drone footage of the current construction zone and video of the tunnel boring machine. The final speaker will present Artificial Intelligence Enhanced Transportation Operations and Management System (AI-TOMS) for Delaware Department of Transportation (DelDOT). The program uses artificial intelligence (AI) and machine learning (ML) technologies to automate transportation system management and operations to improve safety and efficiency.

Moderator: Glenn Havinoviski, JMT

As VP and Director of ITS in Johnson, Mirmiran & Thompson's Technology Group, Glenn leads JMT's overall ITS practice, applying his experience in ITS and CAV program planning and architecture, system design, deployment, and operations. He brings additional expertise in managed lanes, active traffic management systems, and integrated corridor management, along with real-time traveler information, road pricing, and transit signal priority. He has led or served in a key role for projects in 18 U.S. states, Mexico, Eastern Europe, the Middle East, and Asia. For three years, Glenn served as a core instructor in training workshops for the International Road Federation (IRF), providing background to engineers in the Middle East on ITS and integrated mobility strategies. Glenn graduated from the University of Wisconsin-Milwaukee in 1984 with BS in Civil Engineering. Glenn is a producer and host for Radio Fairfax, available on TuneIn Radio. His program, the Reddy Kilowatt Hour, presents 70 years of both rock and roll.

ITS Applications at the Hampton Roads Bridge Tunnel in VA: Steve Kimble, HDR

Steve is a Senior ITS Engineer based in Vienna, VA., leading HDR's Intelligent Transportation Systems (ITS), systems engineering, and tolling system design practice for the Mid-Atlantic Region. Steve brings over 23 years of wide-ranging experience including 15 years in ITS/traffic consulting, 7 years in traffic technology product management, and 1 year in toll system installation project management. His skillsets include project management, ITS and traffic design, ITS systems engineering planning and operations consulting, and toll system design and installation.

Analysis of Key Bridge-Related Traffic Changes: Greg Jordan, University of Maryland CATT Lab

For 25 years at Skycomp, Greg Jordan pioneered the use of airplanes and helicopters to document highway traffic flow patterns. His work included validation of INRIX trajectory probe data to find highway driver routes and OD patterns. Greg joined the Catt Laboratory in 2016, and today oversees the development of the OD and routing features of RITIS Trip Analytics.

AI-Enhanced Transportation Operations and Management System (AI-TOMS) in Delaware: Xiaoliang (George) Zhao, Blue Halo

Dr. Xiaoliang (George) Zhao currently serves as the Director for Transportation and Sustainment Technologies at BlueHalo. Dr. Zhao received his Ph.D. in Engineering Mechanics from Penn State University in 2003. His expertise encompasses TSMO, material characterization and nondestructive inspection, wireless sensing and communications, and infrastructures condition monitoring such as bridges and railroads. Recently his work has focused on Artificial Intelligence and Machine learning (AI/ML) in Transportation and Vehicle to Everything (V2X) system applications. Some of the recent projects including FHWA Dilemma Zone Detection, Protection, Control and Warning System; ASSHTO Signal Phase and Timing (SPaT) Challenge project; US Marine Corp Driver Performance Assessment with Electronic Trip Ticket, and several high-profile USDOT grant projects. Dr. Zhao has authored/co-authored over 30 peer-reviewed articles that have been published in reputed journals and conferences.

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Session 2A: Connected and Autonomous Vehicles (CAV)

Renewed momentum toward the deployment of CV technology highlights the critical need for seamless integration and communication between roadside and in-vehicle systems, driving the topic for interoperability to the forefront of discussions within the industry, as indicated in the USDOT V2X Deployment Plan. This session will provide an overview of the current proof-of-concept system, as well as discuss the final outcomes and lessons learned, plus provide an overview of the next round of development and deployment efforts that will be undertaken. The session includes an introduction to the MUTCD Part 5, traffic control device considerations for automated vehicles from the perspective of the MD CAV Working Group, as well as a discussion of NCHRP Report 1104: Impacts of Connected, Automated Vehicle Technologies on Traffic Incident Management Response.

Moderator: Diederick VanDillen, Jacobs

Diederick VanDillen is a Senior ITS manager at Jacobs with over 32 years of experience in the ITS industry primarily in the areas of advanced traffic and transit management systems. He served as president of ITS Maryland in 2013 and has been an active board member since 2006. He holds a bachelor's degree in electrical engineering from New Jersey Institute of Technology and a master's degree in engineering management from Santa Clara University.

Connected Vehicle Technology: Frank Perry, WSP

Frank Perry has 30 years of program management and systems engineering experience, including 20 years deploying, integrating, testing, and operating connected vehicle (CV) systems. Mr. Perry led the deployment, integration, testing, and operations of the original U.S. Department of Transportation (USDOT) CV Testbed in Michigan, CV device interoperability testing for the USDOT Safety Pilot Model Deployment project, led the deployment, integration, testing, and operations of the MnDOT Smart Corridor, and system verification for the Smart Columbus Connected Vehicle Environment. He is currently the PM for the CV-Pool Fund Study (CV-PFS) Connected Intersection Project (CIP), CV-PFS Connected Intersection Message Monitoring System (CIMMS) project, and named as the Test and Readiness lead for the Maricopa County V2X Accelerator Grant. Mr. Perry is a CV Subject Matter Expert in several other projects for the Michigan DOT, Ohio DOT, and Tennessee DOT. He has been part of SAE V2X standards development since 2004 and is an executive member of the OmniAir Consortium Board of Directors, driving the policy, processes, and procedures for testing and certifying CV devices.

Integrating TIM and CAV (NCHRP Report 1104): Eileen Singleton, Baltimore Metropolitan Council

Eileen Singleton, Principal Transportation Engineer, joined the Baltimore Metropolitan Council in 1998. Her work supports the Baltimore Metropolitan Planning Organization and includes projects and committees that enhance the safety, security, reliability, resilience, and efficiency of the region's transportation network through the use of transportation system management and operations (TSMO) strategies. She also supports regional planning for climate resilience and connected and automated vehicles. Eileen is a past president of ITS MD and a member of the TRB Regional TSMO Committee. She has a Bachelor of Science degree in mechanical engineering from Cornell University and a Master of Science degree in civil engineering from the University of Maryland at College Park. She is a member of the November 2007 Operations Academy class. Eileen is a registered Professional Engineer in Maryland.

MUTCD Section 5: Roxane Mukai, MDTA

Roxane Mukai is the Operations Engineer for the Maryland Transportation Authority (MDTA) which is responsible for constructing, managing, operating and improving Maryland's toll facilities. Roxane currently has the privilege of serving as the Authority's Connected and Automated Vehicle (CAV) liaison, as the civilian coordinator for the Maryland Connected and Automated Vehicles Working Group, Emergency Responder Sub-Group and is the Chair of the National Committee on Uniform Traffic Control Devices, Connected and Automated Vehicles Joint Task Force.

Session Descriptions

Session 2B: Signal Technology

As urbanization increases and traffic density rises, the need for advanced technologies to optimize roadway design and enhance safety has become paramount. This session presents a novel approach using Light Detection and Ranging (LiDAR) technology at intersections to collect high-resolution, real-time data, enabling more informed decision-making for end users in transportation planning and safety management. This session will also explore V2X deployment after decades of research and development. It is clear that connected intersections will take more than just new equipment. The shift from signal indications to electronic V2X messages will require changes to core signal timing practices, and the blended roadway environment of non-connected and connected road users in the same traffic stream will present challenges for decades to come. The final speaker will present bicycle signals and the FHWA experimentation process as demonstrated by the Delaware Avenue separated bikeway project with unique signal phasing that involved a flashing yellow bicycle signal.

Moderator: Saskia Herrera Riggs, SHA OPR

Saskia Herrera-Riggs is a Project Manager in the Research Division at the Maryland Department of Transportation State Highway Administration's Office of Policy and Research. With a strong focus on advancing implementable, data-driven research, Saskia oversees a range of federally funded projects, ensuring alignment with strategic goals and managing key aspects such as budget tracking, project milestones, and stakeholder engagement. She is committed to fostering innovation in transportation solutions and enhancing interdepartmental collaboration to meet Maryland's evolving transportation needs.

Enhancing Intersection Safety through LiDAR: Randy Dominick (TS&T) , Econolite

Randy Dominick is the President of Traffic Systems & Technology (TS&T). He has more than 28 years of experience in the sale and distribution of ITS, Traffic and Lighting product solutions. He is an owner in TST Transport, a trucking company created to improve the delivery reliability and quality of service of highway pole structures. In addition, he is a Principal and Co-owner of DePorter, Dominick & Associates (DDA), a lighting rep agency specializing in DOT and Municipal lighting. After graduating from ODU in 1991, he proudly served 5 years as an Infantry Officer in the United States Marine Corps.

Delaware Avenue Separated Bikeway: Mir Wahed, JMT

Mir Wahed has over 25 years of experience in various areas of Transportation Engineering and ITS design. Mr. Wahed has a Bachelor of Science and Master of Science degree in Civil Engineering. He is currently leading JMT's Traffic Engineering Practice in the northeast region. He is a registered professional engineer in the states of Delaware, Maryland, Pennsylvania, and New Jersey. He is also a certified Professional Traffic Operations Engineer (PTOE) and Professional Transportation Planner (PTP).

Connected Intersections: Craig Hinnners, NoTraffic

Craig Hinnners is a traffic engineer with over 25 years of experience in traffic signals and ITS, primarily for manufacturers. He deployed the nation's first NTCIP dynamic message signs, the first GPS and cellular-based priority/preemption system, wrote the reversible lane control system for the Manhattan Bridge in New York City, and demonstrated connected vehicles to Congress at the US Capitol. Craig is a subject matter expert for national task forces and standardization committees including NTCIP, ATC, SAE, and CTI.

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Session Descriptions

Session 3: Digital Infrastructure Panel

Digital Infrastructure is based on getting data from vehicles or on-road sensors, and then leveraging that data for planning and operations purposes. At the same time, however, the rapid evolution of digital technologies continually grows the catalog of available data types, shifting this very base proposition. This panel will discuss the practical implementation of digital infrastructure and what outcomes are possible to benefit public safety, highway management, truck parking, and other opportunities along transcontinental corridors including I-95.

Moderator: Dan Corey, STV

Dan is the National Director of Mobility Technologies at STV, Inc. In this role, Dan drives the growth, strategic and tactical direction for Intelligent Transportation System (ITS) and TSMO, automated / connected vehicles, truck parking and automation, roadway digital infrastructure, broadband, vehicle electrification, multi-modal design, and transportation data analysis. Dan has worked on the full project life-cycle from strategic planning and policy development, through detailed design and maintenance for a variety of technology solutions. He also helps to train junior staff in technical, business communications, and business acumen of engineering consulting at STV. In his spare time, Dan is a private pilot, a hopeful NY Jets fan, on the Board of Directors of two non-profits, is a liberator of bourbon and red wine, has visited all 7 continents, and now has 2 Bengal kittens.

Nicole Katsikides, FMCSA

Nicole Katsikides, Ph.D. is a Senior Transportation Specialist in the Applied Research Division at the Federal Motor Carrier Safety Administration (FMCSA) managing truck parking and research efforts related to truck parking information systems and projects in other CMV research areas such as connected data, sexual assault and harassment in the CMV industry, supply chain and safety impacts, and operational analysis to support emergencies. She is especially known for truck parking and supply chain fluidity research. Nicole has held several different positions in the industry including Maryland's Director Freight and Multimodal Transportation, Deputy Director of Maryland State Highway Office of Planning and Preliminary Engineering, FHWA's Freight Performance Program Manager, and Researcher at the Texas A&M Transportation Institute.

Trish Hendren, The Eastern Transportation Coalition

Patricia (Trish) Hendren is the Executive Director of The Eastern Transportation Coalition, a partnership of 19 states and D.C. focused on connecting for solutions that keep people and goods moving throughout one of the world's busiest transportation corridors. Under Dr. Hendren's leadership, the Coalition has embarked on and enhanced initiatives relat

-ed to incident management, traveler information, electric vehicles, freight planning, truck parking, toll reciprocity, connected and autonomous vehicles, and funding alternatives. Trish's focus at the Coalition is developing innovative and implementable ideas for a diverse group of agencies.

Carole Delion, Delion Consulting

Carole Delion is the Founder & CEO of Delion Consulting LLC, a Maryland-based firm specializing in advanced transportation solutions. Before establishing her own company, Ms. Delion spent a decade at the Maryland State Highway Administration, beginning her career in transportation planning before transitioning to operations and emerging technologies. She quickly distinguished herself as a leader in connected and automated vehicles, becoming a recognized expert in the field. Her knowledge extends across transportation systems management, artificial intelligence, data governance, intelligent transportation systems, unmanned aerial systems, and electric vehicles. She is a graduate from the University of Maryland, juggles work with mom-duties to a one and half year-old toddler, and is passionate about mentoring others to become leaders in their fields.

John Contestabile, Skyline Technology Solutions

Mr. Contestabile enjoyed a 30-year career in Maryland state government holding a variety of positions including Deputy Homeland Security Advisor, Statewide Public Safety Interoperable Communications Director, and retired as Acting Assistant Secretary of MDOT. At MDOT, he was responsible for the engineering, procurement, emergency management and homeland security functions. After MDOT, he joined the Johns Hopkins University Applied Physics Lab as Program Manager of their Emergency Communications Program. John is presently Director of Public Safety Solutions at Skyline Technology Solutions. An engineer by training, he has executed projects related to GIS, Land Mobile Radio, Computer Aided Dispatch, Television Datacasting, Video interoperability and 5G LTE. He has worked with numerous public safety entities ranging from police departments, emergency management agencies, fusion centers, and Public Safety Answering Points. He is the author of numerous public safety communications articles.

Plenary & Lunch Speakers

Welcome Address, Lunch Business Meeting and Closing Address

Erin Filler *toXcel*

ITS Maryland President

Erin Filler is a professional engineer and professional traffic operations engineer. She currently serves as the 2024 President of ITS Maryland and she is the Director of Traffic Engineering at toXcel where she delivers projects primarily for agencies in Maryland and Virginia as well as Federal agencies. She has 12 years of experience in traffic engineering and ITS. While she started her career with a focus in traffic engineering design, in recent years, she has focused on transportation safety, ITS, and traffic control device research.

Morning Keynote Address

Danielle Deverell *Total Traffic & Weather Network*

Nearly every automobile on the road is equipped with technology delivering a hands-free, no fee, expertly verified, continuously updated source of traveler information and real-time incident reports. It's not a phone. It's not a navigation unit. It's the radio. Danielle will guide us through an introduction to TTWN and the business of traffic reporting. We will explore the practice of how TTWN traffic data is collected, curated, and disseminated. We will also enjoy a look behind the curtain, with stories and experiences shared by a veteran traffic reporter.

Danielle Deverell of Total Traffic & Weather Network (TTWN) has been on assignment with the morning news at WJLA 7NewsDC since 2020. She started her career with TTWN in 2004, delivering traffic reports for top rated New York City radio stations and major stations in neighboring media markets.

Since her arrival at the TTWN Washington DC/Baltimore Operations Center in 2006, Danielle has been a popular personality working with afternoon radio hosts, and she led the launch of T3, a next-generation broadcast map graphics system at WTTG FOX 5. Danielle is also involved in gathering and verifying traffic data for several major metropolitan areas. Danielle and her family make their home in Montgomery County, Maryland.

Exhibitor Lighting Round

Jim Lampe *Control Technologies*

Jim Lampe is the Mid-Atlantic regional manager for Control Technologies Inc. and is based locally in Dulles, VA. Control Technologies was founded in 1980 in Sanford, FL and has regional offices across the USA. Jim started working in ITS in 1994 with a major focus on vehicle video detection systems. Jim spent 2 years with Econolite as the AUTOSCOPE manager for the Mid-Atlantic and over 22 years with Control Technologies. Jim's major focus has been on vehicle detection, pedestrian safety and traffic signal systems. He is a member of national and regional chapters of ITS America, ITE & IMSA.

Lunch Keynote Address

Bruce Gartner *MDTA*

Bruce Gartner was named Maryland Transportation Authority (MDTA) Executive Director effective January 31, 2024. As head of the MDTA, Executive Director Gartner leads the 1,700 employee agency that finances, constructs, operates, preserves and improves the state's eight toll facilities, including the DriveEzMD Maryland tolling system and the nationally accredited Maryland Transportation Authority Police.

Immediately prior to joining the MDTA, Executive Director Gartner served as Administrator of the Howard County Office of Transportation. In this role, he was responsible for the planning and development of bicycle and pedestrian facilities and enhancements to the regional transit network. He led Howard County's efforts to develop long-term transportation plans and served as the County Executive's empowered representative on the Baltimore Regional Transportation Board. Previously, he served as the Maryland Transportation Client Account Manager at Jacobs Engineering Group.

Executive Director Gartner has a long history with the MDTA and the Maryland Department of Transportation (MDOT). This is his second time serving as MDTA Executive Director, having previously held the role from 2013 to 2015. Before that, he served as the Director of Policy & Governmental Affairs and Assistant Secretary for Transportation Policy & Freight at MDOT. He also served as Director of Strategic Development at the MDTA.

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