2023

ITS Maryland Annual Meeting and BRTB Regional Traffic Signal Forum

BRTB
Baltimore Regional Transportation Board

October 25, 2023

Maritime Conference Center

Message from ITS Maryland

Brian Grandizio
RK&K

Welcome to the 2023 joint Intelligent Transportation Society (ITS) of Maryland Annual Meeting and Baltimore Region Transportation Board (BRTB) Regional Traffic Signal Forum. This is our 28th ITS Maryland annual meeting. This year's annual meeting will focus on ITS and safety. Our sessions include topics on improving safety through innovation, planning and implementation for automation, drones and delivery devices, local Transportation Systems Management and Operation corridors, and an afternoon panel discussion on data and ITS in speed management. Our meeting will be kicked off by a keynote address by the Secretary of the Maryland Department of Transportation, Paul Wiedefeld.

It is with heavy hearts that we learned of the passing of our friend and colleague, Bala Akundi, earlier this year. Bala worked at the Baltimore Metropolitan Council for over 20 years, focusing on safety, freight, and traffic signals. He had provided staff support to the BRTB Traffic Signal Subcommittee since 2005. Bala was also an active member of ITS Maryland for many years, serving as the president in 2009, as well as leading and assisting with planning the annual meetings (including our 2023 annual meeting), legislative technology fairs, and countless other events. Bala was the driving force behind holding the Baltimore Regional Traffic Signal Forum jointly with the ITS Maryland Annual Meeting biannually. Bala has also been a valuable mentor to many over the years. He was always willing to help and always brightened up the room with his smile. Bala will be greatly missed by all who knew him.

Whether it's a better understanding of the emerging technologies and new products, leveraging technology to improve safety, or using ITS data to support safety goals, we sincerely hope that each one of you takes something of great significance from this conference back to your agency or firm that can be used to make the transportation system work better for all users.

Between the technical sessions, we encourage you to visit our exhibitors' tables and ask about their products, applications, and projects. They are a great source of information. The "Exhibitor Lightning Round" provides attendees highlights of new technologies and applications as well as a brief introduction to our exhibitors and what they have to offer.

As in previous years, during lunch we'll announce scholarship winners, conduct some ITS Maryland business, give an overview of the year's activities and chapter health, and announce the results of the election for next year's ITS Maryland Board of Directors and Officers. You will also hear from Steve Kuciemba of ITE. Please note that lunch is in a different building from the technical sessions. Follow the signs, your colleagues, or look at the directions in the program to find your way to lunch. Immediately following the last session we'll hand out free drink tickets and pick raffle tickets for prizes. At the conclusion of our event, we will be having a happy hour with light appetizers in the main area.

More than 200 persons have registered for this event. If you enjoy this meeting, please join us in thanking the members who participated in planning this meeting, especially Erin Filler, the 2023 Vice President of ITS Maryland and Conference Chair. A complete list of these people are included in the program. Their hours of hard work, creativity, and coordination have brought this conference to life. Also, thanks to you our members, and friends – without your support and attendance at all our events throughout the year, none of this would be possible.

If you are not a member of ITS Maryland, we urge you to join us. Please take a look at our website www.itsmd.org for membership benefits, application form and costs. 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(s) with your PDH certificate attached for each session that you attended. 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.

We have a full day ahead of us, so let us make our 2023 Annual Meeting another resounding success, and we will see you for our 29th Anniversary Meeting in 2024!

Brian Grandizio
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 & Planning

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  ITS Maryland Vice President and Meeting Chair
- Brian Grandizio, RK&K
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- Roger Boothe, Altus Group
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- Diederick VanDillen, Jacobs
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- Matt Wolniak, JMT
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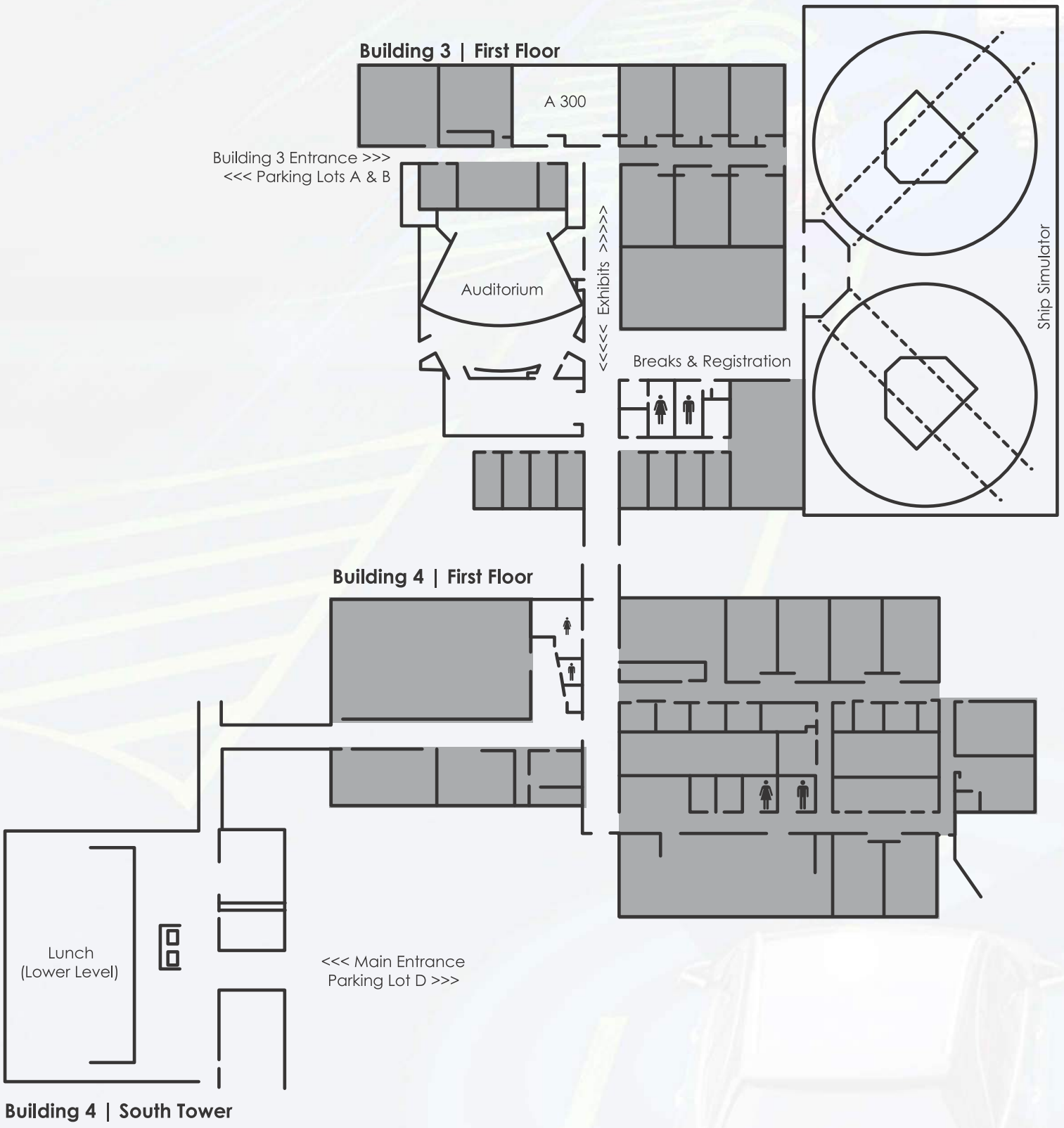
- Sonia Thomas, MDOT MDTA
- Christopher Parris, MDOT MDTA
- Lauren White, MDOT MDTA
- Qingzhong Zeng, RK&K
- All ITS Maryland Board of Directors

Conference Center Map



Schedule of Events

8:00 – 8:30	**Registration, Continental Breakfast & Exhibits**	
8:30 – 9:15	**Welcome Address:** Brian Grandizio, ITS Maryland President **Keynote Address:** Paul Wiedefeld, MDOT Secretary	
9:15 – 10:15	Exhibitor Lightning Round | Moderator: Jim Lampe, Control Technologies Inc.	
10:15 – 10:30	**Break/Exhibits**	
10:30 – 11:45	**Session 1 A – Improving Safety Through Innovation** **Room: Auditorium** **Moderator: K.R. Marshall (WSP)** **ITS and Work Zone Safety** Melodie Matout (ATSSA) **AI and Vulnterable Road User Safety** Jamie Sullivan (Derq) **Incident Management (Every Day Counts)** Joe Tebo (FHWA Office of Operations)	**Session 1 B – Automation: Planning and Implementation** **Room: A300** **Moderator: KR Marshall (WSP)** **Digital Twins** Rakesh Nune (HNTB) **Planning for CAVs at the Local Level** Donald Halligan (BMC) **CAV in the Military** Kristin Van Emden (US Army)
12:00 – 1:30	**Lunch/Exhibits, Business Meeting | Lunch Keynote: Steve Kuciemba (ITE)**	
1:30 – 2:45	**Session 2 A – Drones & Delivery Devices** **Room: Auditorium** **Moderator: Rene Lord-Attivor (PG County)** **Drones in Transportation** Larry Laynburd (Kimley-Horn) **Personal Delivery Devices** Dr. Mansoureh Jeihani (Morgan State University) **How Kiwibot is Revolutionizing Last-Mile Delivery** Nicolas Fernandez (Kiwi Campus)	**Session 2 B – Local TSMO Corridors** **Room: A300** **Moderator: Glenn McLaughlin (Altus Group)** **Baltimore County and Howard County TSMO Corridors** Mohammed Raqib (MDOT SHA) **Infrastructure Deterioration Below Ground** Woody Hood (Mead & Hunt) **Baltimore Beltway TSMO** Brian Grandizio (RK&K)
2:45 – 3:15	**Break/Exhibits**	
3:15 – 4:15	**Session 3 – Data & ITS in Speed Management** **Room: Auditorium** **Moderator: Mark Franz (CATT Lab)** **Panelists** Cynthia Spriggs (MDOT MVA HSA) Mark Gregory (Traffic Logix) Shuqing Wang (FHWA Office of Highway Policy Information) Kalea Selmon (Noys)	
4:15 – 4:30	**Closing Message:** Brian Grandizio, ITS Maryland President	
4:30 – 6:30	**Happy Hour**	

2023 ITS Maryland Annual Meeting & BRTB Regional Traffic Signal Forum

Session Descriptions

Session 1A – Improving Safety through Innovation

The automobile has been around for little more than a century and during this period, it has gone through an extraordinary evolution, driven by constant technological innovations. However, other aspects of transportation safety have seen a much slower pace of development. Some of the technology on and around our roadways have not seen the level of innovation demonstrated by the automobile itself. Examples of such technology include road markings (introduced 1910s), traffic signals (1910-1920), traffic signs (1910s), and retroreflective sign paints (1939). During the last few years, a significant level of innovation in transportation has led to improvements in safety. This session will explore some of those innovations, specifically in the areas of work zone safety, incident management and vulnerable road users.

Moderator: K.R. Marshall, WSP USA K.R. Marshall is a Senior Vice President and Senior Technical Principal for WSP's National Transportation & Infrastructure Business Line. He has 43 years of professional experience in the areas of traffic engineering, traffic operations, intelligent transportation systems, and connected/automated vehicles. He is currently managing two contracts for the Maryland Transportation Authority: ITS & Electrical Design Services and Transportation Consulting Services, and a multi-year project for FHWA looking at Next Generation Traffic Management Systems. He is also serving as the ITS Lead for the Governor Harry W. Nice Memorial/Senator Thomas "Mac" Middleton Bridge Reconstruction Project in Southern Maryland. K.R. holds a B.S. degree in civil engineering from Union College (New York) and a Master of Engineering degree in civil engineering from Texas A&M University. He is a licensed Professional Engineer in 6 states, including Maryland.

ITS and Work Zone Safety - Melodie Matout, ATSSA Melodie (Nagham) Matout is the Innovation and Technical Services Manager with the American Traffic Safety Services Association (ATSSA). She currently leads ATSSA's New Product Rollout, provides technical support to ATSSA members, and several federal projects, including the 2016 Work Zone Safety Management Grant Program. Prior to joining ATSSA, Ms. Matout formerly worked for Leidos as a government consultant, supporting many state and federal transportation projects and serving as the Project Manager for the 2016 Work Zone Safety Management Grant program. She worked for the Quebec Ministry of Transportation as a road safety auditor for several years and holds a master's degree in road safety from Concordia University. Melodie is pursuing her Ph.D. degree in Transportation Engineering at Virginia Tech with a focus on Connected and Automated Vehicles (CAV) data and simulation. Ms. Matout holds a Professional Engineering license in the state of Virginia.

AI and Vulnerable Road User Safety - Jamie Sullivan, Derq Jamie Sullivan has a Bachelor of Science degree from The Ohio State University and an MBA with a focus on Information Systems. Jamie comes to Derq from AT&T, GE & Motorola where he spent over 20 years in public sector vertical markets in multiple roles working on mobile solutions, applications and wireless infrastructure for public safety, education, and government. Jamie has extensive experience working with government and public safety around solution design and integration and has sat on state technology council boards and consulted with top leaders in government.

Incident Management (Every Day Counts) - Joe Tebo, FHWA Office of Operations Joe Tebo is a veteran of the transportation and emergency response profession and is a Subject Matter Expert in several emergency services fields. Joe has served over 44 years as a Volunteer Firefighter/Former Advanced Life Support Provider and as the former Commanding Officer of the Department. He has previously served the Federal Transit Administration in Washington D.C. as their Deputy Emergency Management Coordinator and as a Road Surface and Rail Transportation Crash Investigator. Joe has also assisted other agencies with investigations including as an investigative Party Member for the NTSB. Prior to moving into Federal service, he served with the District of Columbia Fire and EMS Department as their Safety Oversight Officer for Transportation Operations and with the Maryland Department of Transportation as State Safety Oversight Officer.

Session 1B – Automation: Planning and Implementation

Automation is the current byword for transportation in all its forms, from Automated Vehicles and Automated Maintenance/Inspection to Automated Design Tools. In this session we will look at some unique aspects and applications of automation throughout the project life cycle and across various transportation asset types.

Moderator: Roger Boothe, MBA, PMP, DBIA Roger Boothe is a Public/Private Partnership advisory expert across a range of asset classes. He has 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 brings 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.

CAV in the Military - Kristin Van Emden, US Army Aberdeen Test Center Kristin Van Emden started her civilian career in 2018 with the Army Reprogramming and Analysis Team (ARAT) under the Software Engineering Center (SEC). Kristin currently serves as the Modeling and Simulation Branch Chief at the US Army Aberdeen Test Center (ATC) under the Army Test and Evaluation Command (ATEC). Kristin's primary responsibility is leading a team of engineers, computer scientists, IT specialists, and technicians who fall under various areas. Those areas include the Moving Target Simulator (MTS), Autonomous System Test Capabilities (ASTC), and the Roadway Simulator Complex, which consists of four different simulators. The mission of this branch is to develop, maintain, and sustain virtual environments and simulators in an effort to reduce the amount of live testing needed for future military systems. Kristin also served in the Software Test and Analysis Branch, conducting software safety testing on numerous vehicles in the developmental testing phase.

Digital Twins: Digitizing the Transportation World - Rakesh Nune, HNTB Rakesh Nune is an experienced technology SME with over 15 years of experience implementing complex emerging technology projects. His expertise spans connected and automated vehicles, integrated corridor management, active traffic management systems, big data analytics, and data visualization. He has spearheaded major initiatives for state DOTs and transit agencies. He is currently President of ITS DC.

Planning for CAVs at the Local Level - Donald Halligan, Baltimore Metropolitan Council Don Halligan has 40 years of experience in the public sector at the local, state, and regional levels, holding a variety of planning positions. He spent ten years as a planner in Cecil County, Maryland overseeing land use, transportation and environmental planning areas. In 1994 he started working for the Maryland Department of Transportation (MDOT) and retired in 2015 as Director of the Office of Planning & Capital Programming. During his state career he served for a short period as Assistant Secretary in the Maryland Department of Planning (MDP), running a wide range of planning functions there before returning to MDOT. After retiring from the State, he began working for the Baltimore Metropolitan Council as Senior Transportation Planner for Strategic Initiatives. He managed the Transit Governance and Funding studies for the Baltimore Regional Transportation Board and the Baltimore Metropolitan Council that resulted in the creation of the Baltimore Regional Transit Commission (BRTC). He will be Board Administrator for the BRTC when it begins in January 2024. He lives in the Riverside neighborhood in south Baltimore with his wife and dog and has two adult children, one in NYC and one in Philadelphia. He volunteers at the Station North Tool Library where he can be found making furniture, household items and teaching knife making.

Session Descriptions

Session 2A – Drones & Delivery Devices

The COVID-19 pandemic revolutionized the need to autonomously deliver goods and services using innovative transportation devices. The need for Drones as a recreational activity and/or sport is now being used to transport medications and other medical equipment in the world. Drones are being used as an efficient transportation engineering tool, to plan, design, and maintain our transportation infrastructure. The integration of Drones and Autonomous transportation delivery devices has made it exciting, fun, and challenging for our future young engineers in colleges, university and in the STEM program. Drones and Autonomous delivery devices have not only revitalized the need for transportation engineers but is also being used to encourage students to become engineers across the nation and in the STEM program. This session will discuss the evolving use of Drones and Autonomous transportation delivery devices, its impact to our daily lives and how it's being used in our universities and colleges.

Moderator: Rene Lord-Attivor (PG County)

Rene Lord-Attivor has over twenty-two (22) years of experience in traffic engineering, transportation planning, urban design and planning, intelligent transportation system (ITS) design and planning, traffic signal design, operation analysis, and designing traffic control devices. He currently serves as a Chief Engineer at Prince George's County Department of Permitting, Inspection and Enforcement (DPIE) in the Site Road Plan Review Division. Prior to joining DPIE, he served as a Chief Engineer at the Prince George's County Department of Public works and Transportation (DPW&T) within the Traffic Engineering Design and Planning Section. He is an Adjunct professor at the Anne Arundel Community College of Engineering and currently serves as a member of the WDCITE Public Agency Committee.

Larry Laynburd, Kimley-Horn

Larry Laynburd is a 2016 civil engineering graduate from the University of Maryland and a transportation engineering professional at Kimley-Horn with seven years of experience. While Larry mostly specializes in ITS and traffic engineering, for the last five years he has also been conducting professional drone operations linked to various types of engineering including transportation and development services. Larry is passionate about ITS and marrying it with his love for drone technology to further advance the field of transportation to benefit the public.

Nicolas Fernandez, Kiwi Campus

Nicolas Fernandez is the current Operations Coordinator of Morgan State University, making sure the operations are safe and that value is provided to the community. He has always been very interested in robotics and is a mechatronic engineer, specializing in Artificial Intelligence (AI).

Dr. Mansoureh Jeihani, Morgan State University

Dr. Mansoureh Jeihani is a professor and the director of the National Transportation Center at Morgan State University and the Sustainable Mobility & Accessibility Regional Transportation Equity Research (SMARTER) Center, a USDOT Regional University Transportation Center. She has a multidisciplinary background in Civil Engineering/Transportation System, Economics, and Computer Engineering. Dr. Jeihani has over 20 years of experience in applied research in transportation planning and modeling, traveler behavior, intelligent transportation systems, connected and automated vehicles, traffic safety, artificial intelligence, and equity. She has published two books and over 115 articles in peer-reviewed journals, conference proceedings, and technical reports. She has also been the PI/Co-PI for about 50 research grants funded by federal or state agencies totaling over $30M. Dr. Jeihani is the chair of Maryland Attainment Report Advisory Committee, Chair of Distracted Driving – Strategy 3 – Maryland Strategic Highway Safety Plan; the co-chair of the Maryland Connected & Automated Vehicles Technical Subgroup, a member of the Transportation Research Board (TRB)-Artificial Intelligence and Advanced Computing Applications committee, the executive committee member of the Council of University Transportation Centers (CUTC), Maryland Quality Initiative (MDQI) and DC Quality Initiative (DCQI) Innovations Subcommittee, Maryland Connected & Automated Vehicles Working Group, National Cooperative Highway Research Program (NCHRP) Panel; and Behavioral Traffic Safety Cooperative Research Program (BTSCRP) Panel.

Session 2B – Local TSMO Corridors

Implementing Transportation System Management and Operations (TSMO) projects often involves developing strategies to optimize traffic operations within specific regions or corridors and requires the integration of new technology solutions with existing infrastructure. This session will discuss current efforts in Maryland to deploy TSMO solutions, including the Maryland State Highway Administration's progress on projects and initiatives along corridors identified in the TSMO Master Plan; statewide traffic signal system condition assessment to evaluate the asset 'health' of structural components, wiring, conduits, etc. at signalized intersections; and the I-695 TSMO project covering nearly 20 miles of I-695 with technology elements including a radar-based Automated Incident Detection (AID) system.

Moderator: Glenn McLaughlin, P.E. is a Senior Advisor with Altus Group US, Inc. He has worked in the transportation industry for 35 years, and with Altus Group supports their delivery of Technical and Financial Advisory Services for large infrastructure projects and Public/Private Partnerships. Prior to joining Altus Group, Glenn was the Deputy Director for Systems with the Maryland Department of Transportation, State Highway Administration (MDOT SHA) in the Office of CHART & ITS Development. During his 30-year career with Maryland, Glenn led a wide variety of programs including the Maryland 511 Traveler Information Service; Travel Times on Dynamic Message Signs; the MDOT SHA Connected and Automated Vehicle Working Group; the CHART Emergency Patrol Sponsorship; and the Redesign of MDOT SHA's Statewide Operations Center. He is a former president of ITS Maryland, a Professional Engineer and has his Bachelor of Science degree in Engineering from Virginia Tech.

MDOT SHA TMSO Master Plan Corridor Deployment Update - Mohammed A. Raqib, P.E., PTOE is the Division Chief of the Mobility Planning & Engineering Division, Office of Transportation Mobility and Operations, MDOT SHA with over twenty (20) years of experience in planning, engineering, installation, and management of Intelligent Transportation Systems (ITS) deployment projects. He oversees Maryland's Transportation Systems Management and Operations (TSMO) planning process and supports several agency-wide and cross-agency initiatives. He has a Bachelor of Science and Master of Science degrees in Civil Engineering and is a registered Professional Engineer (PE) in Maryland and Professional Traffic Operations Engineer (PTOE). Prior to becoming a State employee, Mr. Raqib worked for twelve (12) years as a consultant for MDOT SHA.

Traffic Signal Condition Assessment - Woody Hood, TSOS, TOPS, IMSA II has 41 years of experience in the field of transportation engineering including extensive experience in the design, construction, operation, and Maintenance of Traffic (MOT) of signals and other traffic control devices. He served as the Deputy Director of the Maryland Department of Transportation State Highway Administration's (MDOT SHA) Office of Traffic and Safety (OOTS), Chief of the Traffic Engineering Design Division in OOTS, and as MDOT SHA's Signal Systems Team Leader. He has developed signal timing plans for over 5000 traffic signals for multiple states and local jurisdictions, conducted intersection operational studies, and developed and managed traffic signal remedial inspection projects for multiple jurisdictions.

Baltimore Beltway TSMO - Brian Grandizio, P.E., PTOE is a Senior Project Delivery Leader for Traffic and ITS at RK&K in Baltimore, Maryland with experience in leading transportation projects, ITS design, traffic signal design, ITS planning, traffic signal timing, traffic control device design, signal field implementation and operations. Brian is currently serving as deputy Design Manager for the SHA I-695 Transportation Systems Management and Operations (TSMO) project from I-70 to west of MD 43 and led ITS design and implementation for the SHA I-270 Innovative Congestion Management project including ramp metering. Brian is the current President of ITS Maryland.

Session Descriptions

Session 3 – Data & ITS in Speed Management

This session will feature discussions around the uses, challenges, and opportunities in ITS for speed management. Perspectives from the U.S. DOT, MDOT, and the private sector will be offered on topics such as:

- Automated enforcement
- Sharing speed data with other agencies
- Overcoming hurdles with ITS technology deployment
- Leading edge agencies in ITS Speed Management practices

Moderator: Mark Franz, Ph.D., UMD-CATT Lab

Currently, Mark is the Lead Transportation Analyst at the Center for Advanced Transportation Technology Laboratory (CATT Lab) at the University of Maryland where he is developing and improving online transportation analysis tools and visualizations for public and private sector clients. Mark's research interests are in traffic safety and operations, intelligent transportation systems (ITS), statistical modeling for decision support and data visualization. Mark has published several papers in peer-reviewed journals, has presented at several international conferences, and has composed multiple technical reports for both state and national transportation agencies.

Cynthia Spriggs, MDOT MVA Highway Safety Office

Cynthia Spriggs is the Program Manager for Pedestrian/Bicycle/Speed/Aggressive Driving for MDOT/MVA's Highway Safety Office. As a program manager, Cynthia oversees several highway safety grants focusing on pedestrian and bicycle safety as well as automated enforcement research. She currently chairs both the Speed/Aggressive and Pedestrian/Bicycle Emphasis Area Teams. Cynthia is a child passenger safety technician as well as a Car-Fit technician. She is passionate about keeping our vulnerable population safe while traveling whether in a car or by other means of walking or rolling. Prior to working at the Maryland Highway Safety Office, Cynthia was a Baltimore County Police Officer for just over 21 years. During her tenure as an officer, Cynthia worked patrol, outreach, and traffic management. One of her favorite things to do as an officer was traffic safety outreach to the young citizens within the community.

Mark Gregory, Traffic Logix

Mark Gregory has over 30 years in Traffic Related industry. He was Principal of his own Traffic Engineering Firm for over 13 years. He has worked in all types of settings – Public, Private, State, Military, and Expert Witness. He has been with Traffic Logix for the last 13 years as Sr. Regional Manager/Sales Engineer. Traffic Logix is focused on traffic safety and traffic data collection. They have partnered with many DOT's and safety agencies across the United States.

Shuqing Wang, FHWA Office of Highway Policy Information

Shuqing Wang is a transportation specialist working in the Travel Monitoring and Surveys Division of FHWA's Office of Highway Police Information, headquartered in Washington DC. He is currently leading the National Traffic Data and Advanced Analytics Program. He is a Virginia registered P.E., and a certified Databrick developer and Azure Cloud Developer. In his current role, Shuqing has experienced extensive traffic related data processing, such as Connected Vehicle data and NPMRDS. Before this role, he accumulated many years of experience in transportation-related application development and data processing, such as HPMS and TMAS.

Kalea Selmon, NOYS

Kalea Selmon serves the National Office of Youth Safety (NOYS) as the Senior Program Manager. Kalea seeks to transform systems of oppression by centering the voices of marginalized individuals. She approaches her work strategically, through a lens of equity, justice, and joy. Her expertise spans academia, youth development, project management, strategic planning, and event design. Kalea is a proud graduate of the illustrious Howard University where she earned a B.S. in Psychology. Additionally, she holds a Masters in Counseling from Johns Hopkins University. Outside of work, she enjoys traveling, cooking with friends, and attending plays and concerts

Plenary & Lunch Speakers

Welcome Address, Lunch Business Meeting and Closing Address

Brian Grandizio

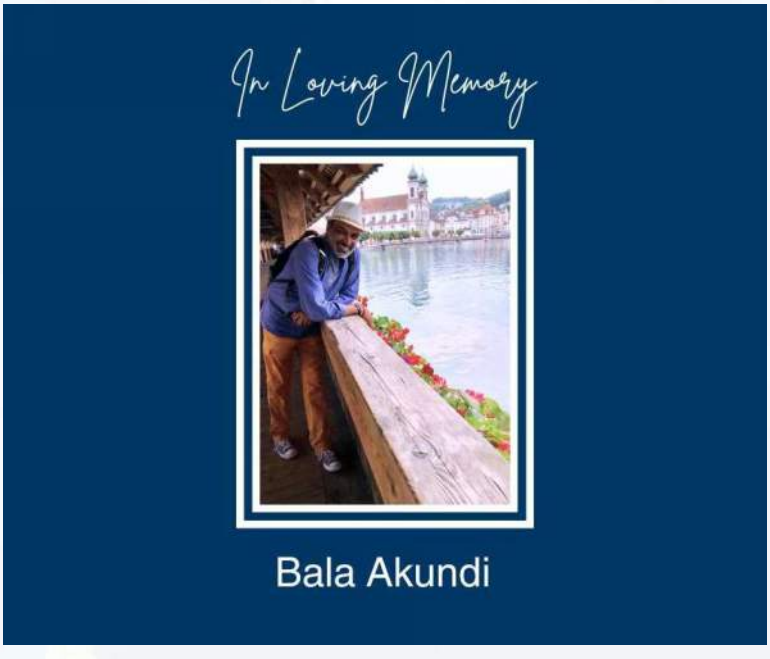
ITS Maryland President

Brian Grandizio is the current ITS Maryland President and a Senior Project Delivery Leader for Traffic and ITS at RK&K in Baltimore, Maryland. He has over 17 years of experience managing transportation projects, traffic engineering and ITS. Brian is currently serving as deputy Design Manager for the SHA I-695 Transportation Systems Management and Operations (TSMO) project and led design and implementation for the SHA I-270 Innovative Congestion Management project ramp metering.

Morning Keynote Address

Paul Wiedefeld

Paul Wiedefeld is currently the Secretary for the Maryland Department of Transportation (MDOT). He has more than 40 years of experience in the public and private sector. He previously served as Executive Director of WMATA and BWI Thurgood Marshall Airport and as Administrator of the Maryland Transit Administration. As Secretary, he's rebuilding the state's top-class, multi-modal transportation system by focusing on safety and connecting Marylanders to life's opportunities.



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 23 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. Jim is a 1993 graduate of West Virginia University.

Lunch Keynote Address

Steve Kuciemba

ITE Executive Director and CEO

Steve Kuciemba is about to begin his new role as ITE's Executive Director and CEO on Nov 1st. For the previous year, he served as ITE's Chief Technical Officer and Deputy Executive Director, leading ITE's technical programs and activities. He has been in the transportation industry for more than 35 years, was a founding member of ITS Maryland in 1995, and was the third individual to serve as president, from 1997 to 1998.

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