

WELCOME

Welcome! We are excited that you are joining us for ITSVA's 29th Annual Conference and Expo here at the Richmond Marriott Downtown! While you are here, we hope that you will take advantage of downtown Richmond's restaurants and shops.

We want to thank our conference planning committee for all their efforts and also express our gratitude to all our speakers, sponsors, and exhibitors.

The theme for 2023 is "Transportation Technology with Purpose." What we do in our industry is vital to the safety, sustainability, reliability, and the future of transportation in Virginia. This year we will highlight how important our work is to the motorists in Virginia and elsewhere.

We know you will enjoy our opening session during lunch. We are honored to have Melissa Wandall, President of the National Coalition for Safer Roads (NCSR), speak to us about the need for a focus on safety to reduce the number of injuries and accidents caused by traffic collisions. After this exciting start, we will have panels on Safety and Sustainability.

In the evening we invite each of you to join us for our networking reception with the exhibitors. We hope you will get to know more about our exhibitors and others in attendance.

On Thursday morning, we will have a panel on ITS for Reliability and then a panel will discuss what is needed to champion our future ITS needs. Then we will wrap up the conference with our "State Agency Roundtable" discussion.

Thank you all for coming and enjoy the conference and expo! We value your feedback so let us know if you have any suggestions for future conferences.



Wayne Davis
ITSVA President

Neil Reed
*ITSVA President Elect &
Conference Committee Chairman*

PLANNING COMMITTEE



NEIL REED

Mr. Reed, Planning Committee Chair, has over twenty years' experience designing, implementing, and maintaining large scale Intelligent Transportation Systems (ITS) and Tunnel SCADA Systems in the U.S. and abroad. Prior to joining Kapsch, Mr. Reed served in many capacities at with VDOT at the Hampton Roads Transportation Operations Center (HRTOC), primarily overseeing ITS Maintenance and ITS Project activities the upgrade of the entire region's ITS communications infrastructure and retrofit of legacy Dynamic Message Signs. During his tenure on the Elizabeth Rivers Crossings (ERC) project, Mr. Reed was responsible for leading the systems engineering effort to integrate the rehabilitated Downtown Eastbound and Westbound Tunnels, Midtown Eastbound Tunnel, and the new Midtown Westbound Tunnel and the Martin Luther King Expressway connection. He is currently working on a large scale ITS project integrating new and old technology throughout Ireland.



ALAN TOPPEN

Alan Toppen, P.E., has 22 years of experience, including 18 with Kimley-Horn in Northern Virginia. He is experienced in all aspects of ITS project delivery including needs analysis, requirements development, field design, implementation oversight, and software project management. Alan's experience also includes data analysis and performance management, having developed data-driven applications for several clients, with qualifications in Python, R, and database technologies. He currently serves as the Treasurer of ITS Virginia.

Mena Lockwood is an Assistant State Traffic Operations Engineer at VDOT. She has over 25 years of experience working in transportation research, planning, traffic engineering, ITS project development and Operations. Currently, her areas of responsibility include the statewide traffic monitoring program, system and data analysis, operations planning, highway network performance measures, and the connected and automated vehicle program. Mena received her undergraduate degree in Civil Engineering from Virginia Tech and a Master's Degree, also in Civil Engineering, from the University of Virginia. She is a registered professional engineer in Virginia. She is keenly interested in using emerging data sources to provide insights that enable better solutions to congestion and safety problems in the transportation network.



MENA LOCKWOOD

Kodi Berger has a bachelor's degree in Civil Engineering from Michigan Technological University, is a Professional Engineer licensed in Virginia and North Carolina, and has been with Kimley-Horn for nine years. Kodi's background is in traffic and ITS systems planning, communications design, and lighting photometric and electrical design. She has supported updates to the VDOT Statewide Transportation Communication Master Plan and updates to the VDOT Statewide ITS Specifications, has led various traffic signal interconnect and ATMS upgrades across the Commonwealth, and is currently leading the TDOT Statewide Roadway Lighting Design Services On-Call Contract.



KODI BERGER



ROBERT (CHRIS) MILLS

Robert (Chris) Mills has 25+ years of extensive management and technical systems experience. He has spent much of his career with a hands-on approach to designing, integrating, inspecting, and maintaining telecommunications/network systems and infrastructure. Having been part of Design Builds, O&M and CE&I projects, his knowledge, and experiences of successful implemented, quality driven design solutions are born from real world experiences. Chris offers specialized expertise in Active Traffic Management (ATM), Broadband communication infrastructure, ITS (expansion, upgrades, relocation, and resiliency) enhancement solutions. His innovative leadership experience illustrates abilities in providing project tactical and strategic contractual development planning, recommending industry design standards and specification requirements, determining final project design performance measures and project/system build partnering coordination.



MICHAEL BOONE

Michael Boone started his career as a public sector infrastructure engineer and generalist before pivoting into toll system and services delivery and emerging technology consulting. In his current role as Product Marketing Manager, Autonomous Vehicles and Computer Vision, Michael collaborates across teams at NVIDIA to develop and position technical solutions in artificial intelligence and deep learning for computer vision applications for healthcare (cuCIM), defining the autonomous vehicle platform (DRIVE), and supporting the enablement of the NVIDIA Computer Vision and Image Processing Library Vision Programming Interface (VPI) developer community. Michael partners with research, engineering, product, and campaign teams to share, develop, and deliver next-generation technology.

PLANNING COMMITTEE



STEPHEN DOANE

Stephen Doane brings more than 30 years of experience and education in construction, operational and maintenance environments to include project management services during the design and construction phases. He has specialized expertise in transportation projects and knowledge of VDOT processes and documentation requirements. His expertise is in ITS, tolling and traffic control systems, he also has experience in roadway and bridge construction. In addition, Mr. Doane has experience developing estimates, contracts for construction, and equipment specifications. He has extensive knowledge as a project manager, providing construction management for transportation projects. Stephen is knowledgeable in applicable federal, state, and local regulations and codes. He has experience scheduling workflows and supervising and evaluating team members.



MACKENZIE LOVE

Mackenzie Love, AICP, is a Regional Transportation Planner for the Northern Virginia Transportation Authority. She is passionate about her work with innovation, which includes serving as staff lead on the Transportation Technologies Committee and event manager for the annual Northern Virginia Transportation Roundtable. Mackenzie is the Secretary-Treasurer of the American Planning Association's Transportation Planning Division and is honored to have been elected to her first term on the Board of Directors for the Intelligent Transportation Society of Virginia.

Ali Farhangi is a Traffic Engineering and Intelligent Transportation System (ITS) practice leader with 30+ years of experience working with the Tennessee Department of Transportation and Virginia Department of Transportation. He worked with the engineering consultant for 3 years as Vice President of Traffic Operations/National Practice Lead. He is a leader in Planning, design, operation and maintenance of the traffic operation system. He has served Culpepper and Fredericksburg Districts prior to joining Central Office. He has served as the president of ITS-TN section in 2011. He is a registered Professional Engineer in TN and VA.



ALI FARHANGI

Alvin Marquess has 42 years of transportation engineering/operations experience. Before joining Jacobs, Alvin was the Deputy Director of Operations for Maryland State Highway's Office of Coordinated Highways Action Response Team (CHART) and Intelligent Transportation Systems (ITS) Development. This is Maryland's traffic/incident management program. Alvin's duties included program development, directing the overall operational aspects and employees of the Statewide Operations Center as well as the four regional centers, the Safety Service Patrols, coordination with surrounding states and public safety agencies while still planning and responding to large planned and unplanned events.



ALVIN MARQUESS



TIM FOX

Tim Fox is based in Richmond VA, serving as a Vice President for Iteris' Mobility Operations Services and the company's National Practice Lead for TMC operations. He has over 29 years of ITS experience in Virginia, having continuously supported VDOT's TOC program since 1994. Tim is a member of the Program Leadership Team for VDOT's contracted Statewide TOC Services program, specializing as the Statewide TOC Manager. Tim joined the ITSVA Board of Directors in 2021.