

B312 – Preparing for AVs and Shared Mobility: How Critical is Connectivity?



Ed Bradley

Toyota

Ed Bradley is a program manager at Toyota's Washington D.C. office. Ed is also an ITS America board member. He follows the federal regulations & guidance being developed for connected and automated vehicles. He spends most of his time supporting V2I deployment. Ed started his career more than 40 years ago as an engineering intern with General Motors. He worked for two other vehicle manufacturers prior to joining Toyota 25 years ago. His career included positions in industrial and product engineering, product planning, sales, distribution and manufacturing. Ed is a graduate of Northeastern University with a Bachelor of Science in Mechanical Engineering and a minor in Economics. He received an MBA from the University of Michigan. Ed is a member of the Society of Automotive Engineers and the Institute of Transportation Engineers.



Kevin Dopart

U.S. DOT

Kevin is the USDOT's Intelligent Transportation Systems (ITS) Joint Program Office's Program Manager for Vehicle Safety and Automation. His research program aims to enable safe, efficient, and equitable integration of automated vehicles into the transportation system. Previously, Kevin worked for Noblis, Inc. and the (now defunct) Congressional Office of Technology Assessment, and began his career flying P-3 Orion aircraft worldwide for a U.S. Navy oceanographic research squadron.



Blaine D. Leonard

Utah DOT

Blaine Leonard is the Transportation Technology Engineer at the Utah Department of Transportation (UDOT) in Salt Lake City. In this role, he leads the planning and deployment of connected and automated vehicles and related traffic management technologies. His team is on the forefront of operational, connected vehicle deployments. He is co-chair of the American Association of State Highway and Transportation Officials (AASHTO) Technology Subcommittee, the co-chair of the Cooperative Automated Transportation (CAT) Coalition Strategic Initiatives Working Group. Blaine led the SPaT Challenge Tactical Working Group, an effort encouraging transportation agencies around the country to deploy connected vehicle technology. Prior to joining UDOT in 2001, Blaine spent 20 years in the consulting engineering business. Mr. Leonard served as the President of the American Society of Civil Engineers (ASCE) in 2010. He has received the AASHTO Alfred E Johnson Achievement Award, the ASCE William Wisely American Civil Engineer Award, the SAE Lloyd Withrow Distinguished Speaker Award, has been named the Utah Engineer of the Year. He is a licensed engineer in six western states and is the Chair of the Utah Professional Engineers and Professional Land Surveyors Licensing Board. He holds Bachelors and Master's Degrees in Civil Engineering from the University of Utah, and was named a Distinguished Alumni by the Department in 2010.



Jim Misener

Qualcomm Technologies, Incorporated

Jim Misener is Senior Director, Product Management and the Global V2X Ecosystem Lead for Qualcomm. He develops and executes Qualcomm's C-V2X deployment strategy across all global regions and works with roadside and automotive stakeholders, enabling software/hardware stack suppliers and internal teams to accomplish broad C-V2X deployment. Previously at Qualcomm, Jim led the automotive standards team and C-

V2X was a major emphasis as well. In addition to his roles at Qualcomm, Jim serves as a 5GAA board member, ITS California board member, the SAE C-V2X Technical Committee Chair and is active in TRB, which involves serving as an ITS Committee member, Vehicle-Highway Automation committee member and Automated Vehicle Symposium Enabling Technologies session organizer. Jim also serves as an Advisory Council member to the Carnegie Mellon University/University of Pennsylvania/Ohio State National University Transportation Center, Mobility 21 and on the IEEE Intelligent Transportation Systems Society Board of Governors. Jim was an early pioneer in vehicle-highway automation and vehicle safety communication at the California Partners for Advanced Transit and Highways (PATH) at UC Berkeley, starting in the mid-90s. He has served as the PATH Executive Director, Executive Advisor to Booz Allen Hamilton, and an independent consultant with clients ranging from Silicon Valley startups, the automotive industry and Federal and State government agencies. Jim holds BS and MS degrees from UCLA and USC.



Mark Norman

Transportation Research Board

Since 2018, Mark has served as a Resident Scholar for the Transportation Research Board, providing support for TRB's initiatives in transformational technologies, including connected/automated vehicles. In 2015, he was appointed as the Director of Development & Strategic Initiatives for the Transportation Research Board. In that role, he was responsible for enhancing TRB's efforts to address critical and emerging issues in a strategic and proactive manner. From 2000 to 2014, Mark served as the Director of the TRB Technical Activities Division. This TRB Division is responsible for the 200+ TRB standing committees and their 5,000 volunteer members, the TRB Annual Meeting that attracts more than 13,000 transportation professionals each year, and numerous TRB conferences, workshops and publications produced throughout the year. From 1991 to 2000, Mark

served as Deputy Executive Director of the Institute of Transportation Engineers. Prior to rejoining ITE, Mark served as the Director of Policy Development for the Highway Users Federation. During much of that time, Mark was also the chief staff person responsible for organizing a new association - the Intelligent Vehicle/Highway Society of America, now ITS America, and served as its Acting Executive Director. Prior to that, Mark served for 13 years as the Director of Professional Programs for ITE, and 4 years with the New York State DOT. He has a B.S. degree in civil engineering from RPI, a Masters in transportation from Northwestern University, and is a registered Professional Engineer. "



Faisal Saleem

Maricopa County DOT

Faisal Saleem serves the Maricopa County Department of Transportation (MCDOT) as Intelligent Transportation Systems Branch Manager and the MCDOT SMARTDrive ProgramSM Manager. He is responsible for the overall supervision and management of MCDOT ITS Program, AZTech Regional Partnership Program, Regional Emergency Action Coordinating Team (REACT) Incident Management Program, Anthem Connected Vehicle SMARTDrive Test Bed and Regional Archived Data System. He also serves as the Chair of

the Technical Resources Working Group of the Cooperative Automated Transportation (CAT) Coalition and Co-Chair of Infrastructure Owner Operator - Original Equipment Manufacturer Forum. He represents MCDOT on Arizona Institute of Automated Mobility technical committee and TRB Automated Vehicle and Shared Mobility Forum. Saleem has a Bachelors and Masters Degree in Civil Engineering and is the former President of Intelligent Transportation Society of Arizona and a member of ITE.



Jyoti Sharma

Verizon

Jyoti Sharma is a Manager in the Technology, Architecture and Planning team at Verizon. In this role Jyoti is responsible for defining architecture and strategy for Verizon's Network, Enterprise & Consumer products and services. Jyoti has over 20 years of industry experience in technology and telecommunication roles including: Wireless Systems engineering, System performance, and new technology introduction. Currently, she's focused on Cellular V2X technology Strategy and represents Verizon on the 5G Automotive Association (5GAA) Board. Jyoti is leading a cross functional team to

demonstrate V2X Use cases over 5G ad MEC leveraging other products and services with partners across V2X ecosystem, Prior to her current role at Verizon, Jyoti worked at Nokia, Alcatel-Lucent and Lucent in the Wireless R&D Organization defining base band algorithms, running simulations and writing requirements for 3G/4G/5G Wireless Networks and contributing to the 3GPP standards. Jyoti is a senior member of IEEE and currently serves as the Chair of Women In Engineering at the IEEE North Jersey Section. She has worked as an Adjunct Professor at the Fairleigh Dickinson University and the DeVry University. Jyoti earned a Ph.D. in Electrical Engineering from the Indian Institute of Technology, Delhi, India, a Master's in Telecommunications from the Asian Institute of Technology, Bangkok, Thailand and a Bachelor's in Electronics & Communications Engineering from the Delhi Institute of Technology, Delhi, India. Jyoti lives in New Jersey with her husband, two kids and a dog. She is passionate about education, promoting Girls in STEM, community service activities and is a volunteering champion at Verizon.



Edward Straub

SAE International

Edward Straub coordinates industry, government, and cross-functional activities related to connected and automated vehicles at SAE International. He is the SAE Industry Technologies Consortia (SAE ITC) vice president for land systems and the director of SAE International's office of automation. He is responsible for providing a systems view of emerging automated vehicle technologies and their impact on the socio-technical landscape, operational considerations, and best practices. Dr. Straub contributes to numerous global standards activities, reports, and research initiatives related to automated vehicle technologies and deployment.



Kristin White

Minnesota Office of Connected and Automated Vehicles

Kristin White is Executive Director of Minnesota's Office of Connected and Automated Vehicles (CAV-X), a public sector tech startup and idea incubator that researches and deploys transformational technology and policy. Kristin is a lawyer, policy strategist and innovator who brings empathy and leadership into the transportation sector, challenging us to harness revolutionary technologies and grow new partnerships to build tomorrow today. The CAV-X program is one of the leading CAV programs in the nation, with its projects, research and partnerships winning the National Cronin Award, WTS Innovative Solutions Award, and AASHTO America's Transportation Award. Kristin has a B.A. from St. Olaf College, law degree from Hamline University School of Law and global arbitration certification from Queen Mary University of London. She began her career as a Fulbright Fellow with the U.S. State Department and has since represented Fortune 500 companies, cities, and states.



C. Y. David Yang

AAA Foundation for Traffic Safety

As the Executive Director of AAA Foundation for Traffic Safety, Dr. C. Y. David Yang oversees the day-to-day operations of this non-profit research and education organization. Previously, he was with Federal Highway Administration, United States Department of Transportation. Dr. Yang has co-authored multiple peer-reviewed journal articles, conference papers, and government reports on subjects related to traffic safety, operations, planning, and Intelligent Transportation Systems. An ITE Journal article he co-authored won Institute of Transportation Engineers' 2015 Traffic Engineering Council Best Paper Award. He is an associate editor for the Journal of Intelligent Transportation Systems: Technology, Planning, and Operations and a member of the editorial board for the International Journal of Transportation Science and Technology. Dr. Yang serves as an advisory board member on a number of university transportation centers funded by the U.S. Department of Transportation. Dr. Yang attended Purdue University and received his Bachelor of Science, Master of Science, and Doctor of Philosophy degrees in the field of civil engineering.