

B209 – Public and Private Sector Collaboration to Advance Automated Driving Systems Testing and Deployment



Darran Anderson

Texas Department of Transportation

Darran Anderson is the Director of Strategy and Innovation for TxDOT. He is responsible for TxDOT's strategic innovation, emerging technology, and research initiatives; and performance analytics and business process improvements; with the objective of providing a forward-thinking efficient approach for an enhanced future of mobility throughout the state.



Theodore (Ted) Joseph Bailey

Washington State Department of Transportation

Ted Bailey is the Cooperative Automated Transportation (CAT) Program Manager for the Washington State Department of Transportation (WSDOT). Ted is responsible for developing and progressing WSDOT's role and strategic vision relative to CAT, which includes readiness for Connected and Automated Vehicles (CAV), and how these transformative technologies can advance Washington's multimodal transportation system. Ted is charged with maintaining an agency pulse on CAT and CAV issues, while engaging internally and externally with a wide array of partners. Ted began his career with WSDOT in 1999. He is a registered professional engineer in Washington state with a Master of Science in Civil Engineering from the University of Washington. He is originally from Minnesota, but lives in Olympia, Washington with his wife Robin and four children. He enjoys the outdoors, youth sports and

traveling.



Andrew Bremer

DriveOhio

Andrew Bremer currently serves as the Managing Director of Local Affairs for DriveOhio, interfacing with Ohio's communities and ensuring the coordinated implementation of DriveOhio's pilot corridors and "smart" partnerships. Specifically, Andrew serves as the lead development manager to and represents DriveOhio, on behalf of ODOT, to a regional collaborative for "smart transportation" known as the Smart Belt Coalition. Andrew formerly served at the Ohio Department of Transportation as the Deputy Director of Strategic Initiatives and Programs overseeing ODOT's project development of automated and connected technologies and infrastructure. Andrew also served as ODOT's representative to the Ohio Rail Development Commission and the Multi-Agency Radio Communications (MARC) Steering Committee. Andrew earned undergraduate degrees in

History and International Studies and a Master's degree in City and Regional Planning from the Ohio State University.



Daniela Bremmer

Washington State Department of Transportation

Daniela Bremmer is WSDOT's Cooperative Automated Transportation (CAT) Development Manager. She is an experienced tactical and strategic thinker who has bridged traditional silos, disciplines and modes to create non-traditional, innovative and successful programs. Her diverse knowledge of transportation systems, modes and agency programs, coupled with her multi-disciplinary background and national leadership roles helps her to operationalize WSDOT's vision for CAT while negotiating the realities of public sector policies and budgets. Daniela aims to help enable a future where automated, connected, electrified, and shared mobility contributes toward a safer, more equitable and more efficient transportation system in Washington State and nationally. Prior to her current role, Daniela developed and led another, high-profile program, WSDOT's nationally acclaimed Performance Management and Multimodal Systems Analysis Program. Daniela has a Bachelor's degree with an emphasis in Computer Science and Business and a Master's degree in Public Administration. During her free time, she enjoys exploring the beautiful outdoors of the Pacific Northwest.



Carole Delion

Maryland DOT State Highway Administration

Carole Delion is the division chief for the Connected and Automated Transportation Systems (CATS) division within the Maryland Department of Transportation State Highway Administration (MDOT SHA), where the Connected Automated Vehicles (CAV) program and Zero Emission Vehicle coordination for MDOT SHA resides among other emerging technology 'incubation' initiatives related to the management of the transportation ecosystem. She has eight years' experience at MDOT SHA, with a strong background in transportation systems analysis, forecasting, strategic planning, and performance measure evaluation for emerging technologies. She acts as a liaison between MDOT SHA and the Maryland statewide CAV working group and is involved nationally in emerging technology coalitions, committees, and pooled fund studies leading the charge for transportation mobility innovation. Carole is a graduate from the University of Maryland, College Park, where she completed both her BS and MS in Civil Engineering. She is also originally French and a total foodie!



Robert Dingess

Mercer Strategic Alliance

Robert N. Dingess has 25 years of public policy, legislative and association experience. A leading expert on traffic safety infrastructure policy, he has spent the last decade focused on driving automation system technologies' transformative potential. He currently chairs the pavement marking committee for the American Traffic Safety Services Association (ATSSA) and serves on several infrastructure and automotive industry technical committees. As the founding CEO of the Geospatial Transportation Mapping Association (GTMA), he focused the organization's attention on recognizing the potential transformative impact of the first generation of mobile LiDAR technologies. He has spent the last seven years working to bridge the gap between the automotive and road infrastructure industries in support of driving automation system technologies. Mr. Dingess has a B.S. degree in Political Science from Brigham Young University and a Masters in Transportation Policy, Operations and Logistics from George Mason University.



Maynard Factor

Kratos Defense

Maynard Factor is the Vice President of Business Development for Kratos Defense Unmanned Systems Division. He is responsible for the generation of new business opportunities, world-wide sales and marketing, and provides technical direction for long range strategic planning including the development of new products, capabilities, and internal research and development endeavors. Mr. Factor offers an extensive background in driverless vehicle capabilities, ground robotics, and unmanned systems technology which has been integral in leading the company's efforts towards expanding its Autonomous Vehicle (AV) presence in the military and commercial markets. Mr. Factor holds a Bachelor of Science in Electrical Engineering from the University of Florida and a Master of Business Administration from the University of West Florida.



Lauren Isaac

EasyMile

Lauren Isaac is the Director of Business Initiatives for the North American operation of EasyMile. EasyMile specializes in autonomous vehicle technology and smart mobility solutions. Its best known product is the EZ10: electric & driverless, the shuttles are designed to cover short distances in multi-use environments. Lauren leads business development for EasyMile in North America in addition to leading the company's North America regulatory efforts. Prior to working at EasyMile, Lauren worked at WSP where she was involved in various projects involving advanced technologies that can improve mobility in cities. Lauren wrote a guide titled "Driving Towards Driverless: A Guide for Government Agencies" regarding how local and regional governments should respond to autonomous vehicles in the short, medium, and long term. In addition, Lauren maintains the blog, "Driving Towards Driverless", and has presented on this topic at many industry conferences. She recently did a TEDx Talk, and has been published in Forbes and the Chicago Tribune among other publications.



Cynthia Jones

DriveOhio

Cynthia Jones is a Project Manager for DriveOhio which is the state's center for innovation, incubation and implementation of autonomous and connected vehicle technologies. DriveOhio's efforts are focused on the future of SMART mobility through the pillars of Safety, Mobility, Access, Reliability and Talent. Cynthia is managing the U.S. DOT Automated Driving Systems grant award for Ohio exploring feasibility of automated vehicles in rural areas, focused on Athens and Vinton counties. She also led deployment of the Columbus SmartCircuit shuttle in December 2018. She joined ODOT in 2009 after 19 years in the private sector with finance and banking. Cynthia is a PMP, has a B.A. degree in Public Policy from Duke University and an MBA from Loyola College in Maryland. She is Co-Chair of the Transportation Research Board Committee on Research Innovation and Implementation.



Mark Kopko
PennDOT

Mark Kopko is the Director of PennDOT's Office of Transformational Technology. His duties include managing all activities related to emerging technology including the deployment of connected infrastructure, development of policies and standards, and the authorization of automated vehicle testers, platooning operations, personal delivery devices and automated work zone vehicles. He is the co-chair of the AASHTO CAV Working Group, past chair of the Smart Belt Coalition, co-chairs the Eastern Transportation Coalition's CAV Leadership Team, sits on the UL4600 Standards Technical Panel, and represents Pennsylvania on numerous national working groups/committees. In addition, he also leads the deployment of the Pennsylvania Safety Transportation and Research Track (PennSTART), oversees smart city initiatives, manages multiple university-led initiatives, and supports activities related to UAS, hyperloop, broadband, mileage based user fees, and electric vehicles.



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.



Tekin Mericli
Locomotion

Dr. Tekin Mericli is a well-rounded roboticist with in-depth expertise in machine intelligence with more than 40 publications in these areas, some of which are best paper award recipients. He is a co-founder and the Chief Technology Officer of Locomotion, a leading provider of automated driving technologies for the trucking industry. Before co-founding Locomotion, he was a Special Faculty / Commercialization Specialist at the National Robotics Engineering Center of the Robotics Institute at Carnegie Mellon University working on developing various autonomy applications for ground and aerial vehicles in military and civilian contexts, search and rescue robots, and industrial processes. Prior to joining NREC as full-time staff, he was a Postdoctoral Fellow at the Human-Computer Interaction Institute and the RI at CMU, leading efforts on autonomous manipulator systems for assisting elderly and disabled. He received his Ph.D. degree from the Department of Computer Engineering at Boğaziçi University, Turkey, and his MSCS degree from the Department of Computer Sciences at The University of Texas at Austin, USA. His knowledge and expertise in developing robust and

efficient robotic systems have been sharpened through his participation in and contribution to various intelligent robotics competitions such as RoboCup, the DARPA Urban Challenge, the MAGIC UGV Competition, and the DARPA Robotics Challenge. He has also been very active in AI and robotics communities, serving as a referee and programme committee member of over 30 conferences and journals as well as co-organizing several national and international workshops, conferences, and competitions, including the RoboCup 2011 Istanbul event.



Ashley Nysten

Colorado Department of Transportation

Ashley Nysten is the Assistant Director for Mobility Technology within the Office of Innovative Mobility at the Colorado Department of Transportation. Ms. Nysten is responsible for CDOT's strategy with connected and autonomous technologies in Colorado. Her work features evaluation of advanced technologies to achieve CDOT's mission, data collection and usage, encouraging and facilitating interoperability of data and technology, and future policy recommendations. Prior to joining CDOT, Ms. Nysten led the Automated Driving Systems Research Division at the National Advanced Driving

Simulator at the University of Iowa.



Katie Stevens

Nuro

Katie is Head of State and Local Policy in the western U.S. at Nuro, working closely with state and local elected leaders, agencies and community organizations in support of electric, autonomous goods movement. Previous to Nuro, Katie led global policy for micromobility company, Lime, as well as state and local government relations for eBay Inc. in the west. Katie has worked at all levels of government having led policy development - largely around transportation, renewable energy and innovation - on Capitol Hill for Congressmen Cal Dooley and Brian Baird, the Governor's California Partnership for the San Joaquin Valley, and Fresno Mayor Ashley Swearengin.



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.