Maryland Connected & Automated Vehicles Working Group

December 4, 2024

TIME: 9:30am – 12:30pm

In Person: Cruise Maryland, 2001 E McComas St., Baltimore, MD 21230

AGENDA	
9:30 am	**Welcome & Opening Remarks** • ***Administrator Chrissy Nizer,*** *Maryland Motor Vehicle Administration (MVA), Chair* • *E**xecutive Director Jonathan Daniels**, Maryland Port Administration (MPA)*
9:45 am	**C-V2X Deployment … from the Auto Manufacturer Perspective** • ***Brad Stertz,*** *Director, Audi Government Affairs & Chair, PAVE*
10:15 am	**Short Break**
10:30 am	**Partnership Project – UMD and MSU** • ***Terry Yang**, University of Maryland College Park* • ***Mansoureh Jeihani,*** *Morgan State University* • ***Di Yang,*** *Morgan State University*
11:15 am	**Kiwibot Personal Delivery Robots & Urban Mapping Project** • ***Gabriela Bruges,*** *Kiwibot*
11:35 am	**Starship Personal Delivery Robots (now operating at Bowie State University)** • ***Juan Canahui,*** *Starship*
11:45 am	**Adjourn**
11:45 am – 12:30 pm	**Networking & Demonstrations** • **Partnership project -- University of Maryland (UMD) College Park and Morgan State University (MSU):** live demo of UMD connected and automated vehicle to showcase "cooperative perception" to improve CAV safety – how vehicle reacts to different pedestrian behavior using a dummy pedestrian. • **Starship Personal Delivery Robots** • **Kiwibot Personal Delivery Robots**

Questions?

Email: CAVMaryland@mdot.maryland.gov

SPEAKERS:

Jonathan Daniels

Executive Director
Maryland Port Administration
Baltimore, Maryland
jdaniels@mdot.maryland.gov

Jonathan Daniels was named as executive director of the Maryland Port Administration (MPA) by Maryland Transportation Secretary Paul J. Wiedefeld on December 20, 2023 following an extensive national recruitment process that included a high-level executive search committee and nationally recognized maritime executive search firm. Mr. Daniels came to Maryland after serving as chief executive officer and port director since 2020 at Port Everglades in Broward County, Florida and has more than 30 years of port and economic development experience.

As MPA executive director, Mr. Daniels oversees and manages the six state-owned, public marine terminals of the Helen Delich Bentley Port of Baltimore. The marine terminals handle autos, breakbulk, containers, cruise, farm and construction equipment, and forest products. The Port of Baltimore generates about 20,000 direct jobs, with about 273,000 jobs overall in Maryland linked to the Port.

At Port Everglades, Mr. Daniels led a $3 billion plan to expand business lines in containers, energy, and cruise activity. Port Everglades is the 13th busiest container port in the U.S., the busiest energy port in Florida and the third busiest cruise homeport in the world.

From 2013 through 2020, Mr. Daniels was executive director and CEO for the Mississippi State Port Authority. In prior years, he served as executive director of the Port of Oswego in New York, managing director for the Port of Greater Baton Rouge, Louisiana, and as port director of the Eastport Port Authority in Maine.

Mr. Daniels earned a Bachelor of Arts in Political Science – International Politics and Foreign Affairs from The Citadel, in Charleston, South Carolina, and continued his education at the Maine Maritime Academy in Castine, Maine.

Brad Stertz

Director, Audi Government Affairs
Chair, PAVE
Washington, D.C.
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Brad Stertz is Director of Audi Government Affairs in Washington D.C, where he works on a range of rapidly evolving topics, including connected, automated, and electric vehicle policies. He also serves as co-chair of the ITS America V2X Committee, co-chair of the 5G Automotive Association's U.S. Policy activities, and is the founder and chairman of Partners for Automated Vehicle Education (PAVE), a coalition of diverse innovators and mobility stakeholders uniting to better equip the public and policymakers about the transportation revolution.

Xianfeng (Terry) Yang

Ph.D., Associate Professor
Director, M-TRAIL
Department of Civil and Environmental Engineering
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Dr. Yang is an Associate Professor (Transportation Engineering) in the Department of Civil & Environmental Engineering at the University of Maryland, College Park. His current research areas include machine learning for transportation modeling, traffic operations with connected automated vehicles, traffic safety, transportation equity, transportation planning, etc. He is the recipient of the prestigious NSF CAREER award in 2021. He has published over 150 peer-reviewed research articles in journals and conferences. He is currently the editorial board member of Transportation Research, Part C, the Associate Editor of ASCE Journal of Urban Planning and Development and IEEE OJ- Intelligent Transportation Systems, and the Handling Editor of TRB Transportation Research Record. He is also Secretary of the ASCE Artificial Intelligence Committee. He is the appointed member of two TRB standing committees (ACP25-Traffic Signal Systems and AMR20-Disaster Response, Emergency Evacuations, and Business Continuity).

Mansoureh Jeihani

Ph.D., Professor
Director, National Transportation Center and Sustainable Mobility & Accessibility Regional Transportation Equity Research (SMARTER) Center
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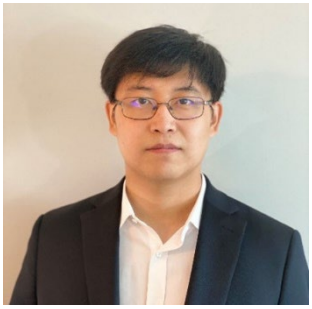
Dr. Mansoureh Jeihani is a professor and the director of the National Transportation Center at Morgan State University and the Sustainable Mobility & Accessibility Regional Transportation Equity Research (SMARTER) Center, a USDOT Regional University Transportation Center. She has a multidisciplinary 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 140 articles in peer-reviewed journals, conference proceedings, and technical reports. She has also been the PI/Co-PI for over 60 research grants funded by federal or state agencies totaling over $30M. Dr. Jeihani is the chair of Maryland Attainment Report Advisory Committee; the chair of the Maryland Connected & Automated Vehicles Technical Subgroup; an executive member of the Council of University Transportation Centers (CUTC); a member of the Transportation Research Board (TRB)-Artificial Intelligence and Advanced Computing Applications committee, Maryland Strategic Highway Safety Plan, 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. Dr. Jeihani was on the Safety panel of the White House ARPA-I Summit in June 2023.



Di Yang

Ph.D., Assistant Professor, Department of Transportation & Urban Infrastructure Studies
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Dr. Di Yang is an Assistant Professor in the Department of Transportation & Urban Infrastructure Studies at Morgan State University. He received his Ph.D. in Transportation Planning and Engineering at New York University. His research focuses on developing novel statistical and data-driven methods at the intersection of transportation safety, connected and autonomous vehicles, human factors, policy analysis, and shared mobility. Dr. Yang's research contributions have resulted in over 50 publications in peer-reviewed journals, conference proceedings, and technical reports. He was also honored with the Institute of Transportation Engineers (ITE) Northeastern District Daniel B. Fambro Student Paper Award in 2021. His research has received funding from organizations such as the National Science Foundation (NSF) and the U.S. Department of Transportation, among others. Dr. Yang serves on the Editorial Advisory Board of the journal *Accident Analysis and Prevention*, and is a Handling Editor for the journal Transportation Research Record, an Area Editor of the *COTA International Conference of Transportation Professionals*, and a member of the *Road Safety & Simulation* international conference scientific review committee. His research has also been featured in *Sage Perspectives*, *New York Daily News* and *Government Technology*.

Gabriela Bruges

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Gabriela Bruges is an Operations Analyst at Kiwibot with a strong foundation in industrial engineering and a specialization in lean manufacturing. Her professional experience as a Data Analyst began at Avianca, a leading airline, where she successfully led a data optimization project. This initiative included developing a comprehensive Power BI dashboard that consolidated key performance indicators into an intuitive format, improving accessibility and decision-making for stakeholders. Additionally, she designed and delivered training programs to ensure effective use of the tools and reports, significantly enhancing team productivity.

At Kiwibot, Gabriela has refined her soft skills by actively participating in marketing activities and events. She plays a key role in supporting marketing initiatives through data analysis and the management of key performance indicators, contributing to informed strategic decisions. Her expertise lies at the intersection of data-driven solutions, operational excellence, and collaborative teamwork, allowing her to deliver impactful results in dynamic and fast-paced environments.

Juan Canahui

University Account Manager, Starship
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Juan Canahui is a seasoned University Account Manager at Starship Technologies, managing partnerships with dining programs and university clients at a dozen universities along the East Coast. Over the past seven years, he has played a pivotal role in scaling Starship's autonomous logistics platform from pilot programs to thousands of delivery robots operating across the US. Under his guidance, Starship's robot fleet in the eastern US has completed 1.3 million autonomous commercial deliveries. Starship has completed more than 7 million autonomous commercial deliveries, redefining convenience for real-world customers.