

Maryland Connected & Automated Vehicles Working Group

Friday, April 29, 2022

9:00 am – 12:00 pm

In Person: Morgan State University, William Donald Schaefer Engineering Building, 5200 Perring Parkway, Baltimore, Maryland

If you plan to attend this in-person meeting, then you must register [at this link](#).

ALL must register to help track for continuing limitations under COVID and a maximum number allowed in the facility. Confirmation will be emailed within a day or two and will be on a first-come basis with allowances for inclusion of as many organizations as possible.

AGENDA	
9:00 am	Welcome & Opening Remarks <ul style="list-style-type: none">○ <i>Secretary Jim Ports, Maryland Department of Transportation (MDOT), Co-Chair</i>○ <i>Administrator Chrissy Nizer, Maryland Department of Transportation Motor Vehicle Administration (MDOT MVA), Co-Chair</i>○ <i>Administrator Holly Arnold, MDOT MTA (current efforts of CAV & Equity)</i>○ <i>Dr. Oscar Barton, Dean of the School of Engineering, Morgan State University</i>
9:15 am	CAV & Equity: What Does “Equity” Mean & How Can We Assure it in the CAV Ecospace? <ul style="list-style-type: none">○ <i>Mansoureh Jeihani, Ph.D., PTP, Morgan State University</i>○ <i>Jeffrey P. Michael, EdD, Johns Hopkins Bloomberg School of Public Health</i>○ <i>Selika Josiah Talbott, Esq, Autonomous Vehicle Consulting, LLC</i> Moderator: <i>Johnathan P.Ehsani, PhD, Johns Hopkins Bloomberg School of Public Health</i>
10:00 am	Demonstration of AV Wheelchair, Driving Simulator, and Robot Guide Dog
10:15 am	Lightning Round of Updates - Companies filing Expression of Interest for MD CAV <p>Description about the Expression of Interest (EOI) process and an online form is located on the CAV landing page. Entities submit EOIs to express interest in research, testing and implementation of CAV in Maryland. Each company will provide a brief update to focus on active or pending plans for CAV work in Maryland, including partnership opportunities.</p> <p><i>(see company/contact info on page 4)</i></p>
10:25 am	Brief CAV Updates <ul style="list-style-type: none">○ CAV Subgroup Updates○ Maryland Department of Transportation (MDOT)○ Partner announcements (if in attendance)<ul style="list-style-type: none">● Local government● State government● Federal government● Academic● Surrounding States● Industry

10:50 am	Kiwibot Personal Delivery Devices @ Morgan State University <ul style="list-style-type: none"> ○ Julian Echeverri, Kiwibot ○ Mitchell Oliver – Sudexo ○ Ron Stevenson, Morgan State University
11:00 am	Closing and Adjourn
11:00 am -12:00 pm	Demonstrations <ul style="list-style-type: none"> ○ CV Tech Visualization (<i>lecture hall</i>) ○ MSU Driving Simulator (<i>lecture hall</i>) ○ MSU AV Wheelchair (<i>lobby</i>) ○ MSU Robot Guide Dog (<i>lobby</i>) ○ MSU Education on Distracted Driving Technology (<i>lobby</i>) ○ Atlas SMART Bus shelter (<i>outside</i>) ○ Kiwibot Personal Delivery Devices (<i>outside</i>)

SPEAKERS:



Johnathon P. Ehsani, PhD

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Dr. Ehsani uses policy and behavioral research to prevent motor vehicle crashes and advance the health promoting aspects of transportation. Using experimental, observational and population-based methods, his research is focused on identifying policies that advance the safety and equity of the transportation system. Examples of his work include the effectiveness of licensing systems for teen drivers and distracted driving policies, naturalistic driving studies that examine individual-level driver behavior, and the impact of new mobility products and services (including bike-share, e-scooters and autonomous shuttles) on cities. He currently serves on the Academic Advisory Council of PAVE (Partners for Automated Vehicle Education). Dr Ehsani currently has a teen driving research study in the field (Logbook Research Study). The purpose of this study is to make teenagers safer drivers by developing tools to use as they learn how to drive. Teenagers with a learner’s permit and their parents are eligible to enroll. For more information please see the links below: Logbook Research for Teen Drivers Study Interest Form - <https://is.gd/hopkinslogbook> Logbook Research Study for Teen Drivers - <https://www.facebook.com/LogbookResearchStudy>



Mansoureh Jiehani, Ph.D., PTP

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Dr. Mansoureh Jiehani is a professor and the director of both the National Transportation Center at Morgan State University and the Urban Mobility & Equity Center. She has a multidisciplinary background in Civil Engineering/Transportation System, Economics, and Computer Engineering. Dr. Jiehani has over 17 years of experience in applied research in transportation planning and modeling, traveler behavior, intelligent transportation systems connected and autonomous vehicles, traffic safety, and artificial intelligence. She has published a book and about 100 articles in peer-reviewed journals, conference proceedings, and technical reports. She has also been the PI/Co-PI for 37 research grants funded by federal or state agencies totaling over \$8M. Dr. Jiehani is the chair of Distracted Driving – Strategy 3 – Maryland Strategic Highway Safety Plan; a member of the Transportation Research Board (TRB)- Artificial Intelligence and Advanced Computing Applications committee, the Council of University Transportation Centers (CUTC), Maryland Electric Vehicle Infrastructure Council, Maryland Connected & Automated Vehicles Working Group; and National Cooperative Highway Research Program (NCHRP) Panel.



Jeffrey P. Michael, EdD

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Dr. Michael is a Distinguished Policy Scholar and the Leon S. Robertson Faculty Development Chair in Injury Prevention at the Johns Hopkins Center for Injury Research and Policy. Dr. Michael's current research focuses on the development of strategies for utilizing emerging mobility technologies and methods to improve safety and reduce health disparities. As Coordinator of the New Mobility initiative at JHU, Dr. Michael is leading an effort to develop evidence-based policy models to steer the deployment of New Mobility products and services for public health benefit.



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An attorney by training Selika Josiah Talbott has spent much of her career in the area of transportation. She is the Founder of Autonomous Vehicle Consulting, LLC as well as the Non-Resident Senior Fellow a Facilitator of the UC Davis Institute for Transportation Studies Environmental Justice Fellowship. Selika has been the Deputy Administrator of the NJ Motor Vehicle Commission and the Senior Advisor to the Administrator for USDOT's FMCSA. For over 10 years she has been advocating and educating for the political economy of autonomous vehicles, new mobility and equity in transportation. Selika sits on the Academic Advisory Board of PAVE (partners for autonomous vehicle education) is a member of the Underwriters Laboratory on AV Standards and is an Adjunct Professor at University of Southern California teaching the Future of Transportation as well as a Contributing Writer at [Forbes.com](https://www.forbes.com). As a transportation Executive she makes the case for best-in-class policy and business strategy. Her mantra is Transportation is Mobility and Mobility is Freedom.

Lightning Round Updates - Recent Companies filing Expression of Interest for MD CAV		
Company	Contact	Brief Description
Parsons	Paul A. Belella, PMC Technical Director paul.belella@parsons.com (703) 624-8649	Sharing highlights of CAV transit project recently deployed in San Diego to allow buses to run on the shoulder.
Locomotion	Finch Fulton Vice President of Policy and Strategy finchfulton@locomotion.ai (251) 605-3719	Locomotion is an autonomous trucking company with a unique human-centric approach. Our system works as a two-truck linked-convoy. Once on the freeway, the Autonomous Relay Convoy will operate under “Level 2” human-controlled automation, with a human driver controlling the lead vehicle and the following driver resting off-duty in the sleeper berth. Because the trucks will operate closely, rules around platooning and the distance between vehicles will be relevant. Our deployment areas are largely selected by our customers, Wilson Logistics, PGT Trucking, and Christenson Transportation; Maryland is a potential deployment location.
Pi Variables Inc.	Tim Malone International / National Business Development tim@pi-lit.com (267) 597-1193	Autonomous vehicles are here and now. And they need smart roads to approach acceptable safety standards. Enter pi-lit® with more highway network experience than any other IoT company. Our centimeter accuracy GNSS systems will be the standard beacon for AV mapping. Analogous to 3M® Post-it Notes, our lightweight, low-cost, tape-on devices mark and locate and communicate to the cloud through our mesh network. We propose to connect through the cloud and more granularly with, point to point communication to utilize our devices and technology to assist autonomous vehicle capability in work zones - on a more ad hoc basis if you will - also in road emergency settings, i.e disabled vehicles or accidents.

Questions?

Email: CAVMaryland@mdot.maryland.gov