

# Maryland Connected & Automated Vehicles Working Group

Friday, April 26, 2024

TIME: 9:00am – 1:00pm

**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: <https://forms.office.com/g/TUMmZu0q2F>  
ALL must register to track for max capacity in the facility. Confirmation will be emailed within a day or two of your registration and is on first-come basis with allowances for inclusion of as many organizations as possible.

<b>AGENDA</b>	
<b>9:00 am</b>	<b>Welcome &amp; Opening Remarks</b> <ul style="list-style-type: none"><li>• <i>Administrator Chrissy Nizer, Maryland Department of Transportation Motor Vehicle Administration (MDOT MVA), Chair</i></li><li>• <i>Dr. Oscar Barton, Dean of the School of Engineering, Morgan State University</i></li></ul>
<b>9:15 am</b>	<b>CAV Trivia</b>
<b>9:35 am</b>	<b>Artificial Intelligence: Is AI part of Connected Vehicle Technology and/or Automated Vehicles?</b> <ul style="list-style-type: none"><li>• <i>Gustavo Diaz Galeas, Connected Wise</i></li></ul>
<b>9:50 am</b>	<b>ADAS &amp; ADS Technology: What's the Difference?</b> <ul style="list-style-type: none"><li>• <i>Justin Hyde, Mobileye</i></li></ul>
<b>10:05 am</b>	<b>Connected Vehicle Tech: What is the role of Interoperable Connectivity (V2X) in the CAV Ecospace?</b> <ul style="list-style-type: none"><li>• <i>On behalf of USDOT ITS Joint Program Office, Cheryl Lowrance, Noblis</i></li></ul>
<b>10:20 am</b>	<b>Discussion – Questions from Attendees</b>
<b>10:35 am</b>	<b>Short Break – Showcase Tables / Networking</b>
<b>10:50 am</b>	<b>Mobileye – Brief Update of CAV Activities in the Region</b> <ul style="list-style-type: none"><li>• <i>Justin Hyde, Mobileye</i></li></ul>
<b>11:00 am</b>	<b>Connected Wise -Today's Demonstrations &amp; Brief Update</b> <ul style="list-style-type: none"><li>• <i>Gustavo Diaz Galeas, Connected Wise</i></li></ul>
<b>11:10 am</b>	<b>Morgan State University – Today's Demonstrations &amp; Showcase Projects</b> <ul style="list-style-type: none"><li>• <i>Mansoureh Jiehani, Morgan State University</i></li></ul>
<b>11:30 am</b>	<b>Announcements &amp; Questions</b>
<b>11:40 am</b>	<b>Adjourn</b> <ul style="list-style-type: none"><li>• Next meeting in August 2024</li></ul>

<p>11:45 am – 1:00 pm</p>	<p><b>Demonstrations / Showcase Tables / Networking Lunch<sup>i</sup></b></p> <ul style="list-style-type: none"> <li>• Morgan State University – SMART Intersection / CAV testbed</li> <li>• Connected Wise – smart traffic signs</li> <li>• University of Maryland Build America Center – grant assistance opportunities</li> <li>• Kiwibot – personal delivery device operation</li> <li>• Morgan State University – automated wheelchair</li> <li>• Morgan State University – CAVe-in-a-Box (USDOT equipment borrowing)</li> <li>• Morgan State University – Survey for Educational videos on ADAS</li> </ul>
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**SPEAKERS:**



***Gustavo Diaz Galeas***

Embedded Systems Engineer  
Connected Wise

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<https://connectedwise.com/>

Gustavo has been working as an embedded systems engineer for Connected Wise, an AI startup involved in the R&D of transportation engineering solutions, since summer 2022. He completed his Bachelor’s and Master’s degrees, both in Computer Engineering, in Spring 2020 and Fall 2022, respectively. During his Master’s program, he specialized in computer systems and security, which has directly contributed to his work at Connected Wise. As a key figure in several SBIR-funded projects, Diaz Galeas led the rapid development of a novel weigh-in-motion system, achieving in just six months what a preceding two-year pilot project had set the groundwork for. His work on the project resulted in a

conference publication with TRB that detailed the system’s design and impact. In his downtime, Diaz Galeas enjoys going to the gym and exploring new culinary experiences, which he finds parallels in his approach to engineering - both requiring precision and creativity.



***Justin Hyde***

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Justin Hyde is director of global corporate communications and media relations for Mobileye, a leader in ADAS and autonomous vehicle technology. Since 2022, Justin has led a worldwide team with strategy and execution of key communication priorities. Prior to joining Mobileye, Justin was a senior

vice president for Edelman public relations in Washington, D.C., where he served dozens of clients in multiple sectors, countries and issues. Justin started his career as a journalist, with a focus in the automotive industry, including time with The Associated Press, the Detroit Free Press, Reuters and Yahoo. He graduated from the University of Missouri with a bachelor’s in journalism, and lives in Silver Spring.



***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.



***Cheryl Lowrance, PE, PTOE, PMP***

Senior Principal Transportation Engineer

Noblis, Transportation Systems

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Cheryl Lowrance has 40 years of Intelligent Transportation Systems (ITS) and transportation engineering experience, specializing in the strategic planning, design, operations, and maintenance of ITS, connected and automated vehicles, and emerging technologies. Most recently Ms. Lowrance is prioritizing the development of training in systems engineering and interoperability connectivity for vehicle to everything (V2X) technology. She

provides leadership and technical expertise to the USDOT ITS Joint Program Office (JPO), including the Professional Capacity Building (PCB), ITS Early Deployer Cohorts and other emerging technology Research programs. She is a subject matter expert in traffic management systems design and operations and maintenance of ITS and emerging technologies in the field of transportation engineering and ITS technologies.

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**Questions?**

Email: [CAVMaryland@mdot.maryland.gov](mailto:CAVMaryland@mdot.maryland.gov)

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<sup>i</sup> Lunch provided by SMARTER Center at Morgan State University