

# Maryland Connected & Automated Vehicles Working Group

Thursday, December 8, 2022

1:00 pm – 4:00 pm

In Person: MDOT Secretary's Office, 7201 Corporate Center Dr, Hanover

If you plan to attend this in-person meeting, then you must register at this link.

<https://forms.office.com/g/HLv4BYbAn5>

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.

AGENDA	
1:00 pm	<b>Welcome &amp; Opening Remarks</b> <ul style="list-style-type: none"><li>• <b>Secretary Jim Ports</b>, Maryland Department of Transportation (MDOT), Co-Chair</li><li>• <b>Administrator Chrissy Nizer</b>, Maryland Department of Transportation Motor Vehicle Administration (MDOT MVA), Co-Chair</li><li>• <b>Executive Director William Pines</b>, Maryland Transportation Authority</li><li>• <b>Administrator Tim Smith</b>, Maryland Department of Transportation State Highway Administration</li></ul>
1:30 pm	<b>Lightning Round Updates – Companies filing Expression of Interest for MD CAV</b> <p>Description about the Expression of Interest (EOI) process and an online form is located on the <a href="#">CAV landing page</a>. 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> <ul style="list-style-type: none"><li>○ <b>May Mobility</b> – Sara Yager, Business Development Manager</li><li>○ <b>Workhorse Group</b> – Rob Heber, Director of Government Programs</li><li>○ <b>DMI</b> - Joshua Johnson, Sr., Director Digital Solutions Strategy &amp; Architecture</li></ul>
1:45 pm	<b>DOE Vector Project – Brief Introduction</b>
1:55 pm	<b>Showcase / Networking Break</b>
2:05 pm	<b>Panel Discussion: CAV &amp; Workforce – What Do We Expect for the Future Workforce in the CAV Ecospace &amp; How Can We Prepare?</b> <ul style="list-style-type: none"><li>• <b>Beverly Thompson Kuhn</b>, Texas A&amp;M Transportation Institute</li><li>• <b>Jackie Beckwith</b>, Stantec</li><li>• <b>Jennifer Griffin</b>, Maryland State Department of Education</li><li>• <b>Thomas H. Jacobs</b>, University of Maryland Center for Advanced Transportation Technology</li><li>• <b>Chris MacLarion</b>, Maryland Department of Labor</li></ul>
3:05 pm	<b>Brief CAV Updates</b> <ul style="list-style-type: none"><li>• Industry / private companies</li><li>• Academic institutions</li></ul>

	<ul style="list-style-type: none"> <li>• Regional / National Organizations</li> <li>• Government agencies <ul style="list-style-type: none"> <li>○ Neighboring States; Local Gov't; State Gov't; Federal Partners</li> </ul> </li> </ul>
<b>3:15 pm</b>	<b>Closing and Adjourn</b>
<b>3:15 pm - 4:00 pm</b>	<p><b>Demonstrations / Showcase / Networking</b></p> <p>Demo #1 – <b>DOE Vector Project:</b> Vision-based V2X communication that translates data into dynamic barcode on vehicle (alternative to DSRC &amp; CV2X)</p> <ul style="list-style-type: none"> <li>• Xianfeng (Terry) Yang, Ph.D., Assistant Professor, Department of Civil and Environmental Engineering, University of Maryland College Park <a href="mailto:xyang@umd.edu">xyang@umd.edu</a></li> <li>• Tolga Ercan, PhD, PE, Connected Wise LLC, Co-Founder &amp; ITS Project Manager, Orlando FL, <a href="mailto:tolga@connected-wise.com">tolga@connected-wise.com</a></li> <li>• Xiaopeng (Shaw) Li, Ph.D., Associate Professor, Department of Civil and Environmental Engineering, University of Wisconsin, Madison, <a href="mailto:xli2485@wisc.edu">xli2485@wisc.edu</a></li> </ul> <p>Demo #2 – <b>AASHTO CAV program:</b> implementing CAV lesson plans for middle and high school students</p> <ul style="list-style-type: none"> <li>• Carole Delion, Deputy Director, TSMO &amp; CATS, Maryland Department of Transportation State Highway Administration, <a href="mailto:cdelion@mdot.maryland.gov">cdelion@mdot.maryland.gov</a></li> </ul> <p><b>Several Info Tables</b> will also be available to visit – showcasing Maryland opportunities</p>

**PANEL SPEAKERS:**



**Jackie Beckwith**

Senior Mobility Policy Analyst at Stantec  
[Jacqueline.beckwith@stantec.com](mailto:Jacqueline.beckwith@stantec.com)

Born and raised in the nation's capital, Jackie Beckwith is passionate about leveraging public policy to create a more resilient transportation network. At Stantec, she focuses on automated vehicle regulations and the future of fuels with an emphasis on medium- and heavy-duty vehicles. Previous roles include

policy jobs at the Association for Uncrewed Vehicle Systems International, the American Trucking Associations, the American Chemistry Council, and what is now known as the American Clean Power Association.

Transportation has been a prominent throughline in her professional journey, which perhaps informs her opinion that “Trucks are cool!” Jackie was an undergraduate at Gettysburg College, earned a master’s degree from George Washington University, and is now working towards a law degree from American University.



**Jennifer Griffin**

Career Programs and Apprenticeship Specialist  
Division of Career and College Readiness  
Maryland State Department of Education  
[jennifer.griffin@maryland.gov](mailto:jennifer.griffin@maryland.gov)

Jennifer Griffin currently serves as the Career Programs and Apprenticeship Specialist for the Division of Career and College Readiness at the Maryland State Department of Education (MSDE) where she has held progressively responsible

positions since 2013. She holds a master's degree in school administration from North Carolina State A & T University and a bachelor's degree in Hotel/Restaurant Management from Southern New Hampshire University. Her responsibilities at MSDE include providing support to implement high quality Career and Technical Education programs for secondary and postsecondary learners in the following career cluster areas: Arts, Media and Communication; and Construction and Development; as well as oversees Apprenticeship Maryland, Career Research and Development, Work-Based Learning and Financial Literacy Education.



**Thomas H. Jacobs, Director**

[Center for Advanced Transportation Technology](#)  
Department of Civil & Environmental Engineering  
University of Maryland  
[tjacobs@umd.edu](mailto:tjacobs@umd.edu)

Thomas Jacobs is the Director of the Center for Advanced Transportation Technology (CATT) at the University of Maryland. Tom has been with the Center since 1999 and has held the position of Director since 2008. Prior to UMD he worked 9 years for USDOT FHWA. He has 30+ years of professional experience, all of which has been in the domain of Transportation Systems Management and Operations and Intelligent Transportation Systems.



**Beverly Thompson Kuhn, Ph.D., P.E., PTOE, PMP (F)**

Division Head, System Regents Fellow  
Texas A&M Transportation Institute  
[B-Kuhn@tti.tamu.edu](mailto:B-Kuhn@tti.tamu.edu)

Beverly Kuhn serves as division head and research fellow for the Texas A&M Transportation Institute (TTI). During her more than 30 years at TTI, Beverly has conducted cutting-edge research for the transportation community, primarily in the areas of transportation systems management and operations. She is a Professional Engineer in the state of Texas and is a Professional Traffic Operations Engineer. She holds bachelor of science and master of engineering degrees in Civil Engineering from Texas A&M University and a Ph.D. in Civil Engineering from the Pennsylvania State University. Beverly is the outgoing International President of ITE and serves as the vice-chair of the National Operations Center of Excellence Technical Advisory Committee.






**Christopher D. MacLarion**

Director of Apprenticeship & Training Program  
Maryland Department of Labor  
[christopher.maclarion@maryland.gov](mailto:christopher.maclarion@maryland.gov)

Chris MacLarion began his career by serving for three years in the U.S. Army's 82nd Airborne Division at Fort Bragg, North Carolina. After leaving the Army, Chris spent 16 years working at the RG Steel plant in Sparrows Point, Maryland as a steelworker and the Vice President of the local union. When the RG Steel Corporation closed Chris attended the University of Baltimore, initially as a participant in the USDOL funded RG Steel National Emergency Grant, earning his Bachelor's Degree and becoming an employee of the Maryland Department of Labor. In the ten years Chris has been with Maryland's Department of Labor he has managed numerous grants, including two USDOL National Dislocated Worker Grants and three State Apprenticeship Expansion Grants. Chris is currently the Director of the Maryland Apprenticeship and Training Program.

## Lightning Round Updates - Companies filing Expression of Interest for MD CAV

Company	Contact	Brief Description
<p><b>DMI</b>  <a href="http://DMInc.com">DMInc.com</a></p> 	<p><b>Joshua Johnson, Sr.</b>            Director, Digital Solutions            Strategy and Architecture            6550 Rock Spring Dr,            7th Floor            Bethesda, MD 20817  <a href="mailto:jojohnson@dminc.com">jojohnson@dminc.com</a>            972-841-2781</p>	<p>The robust “Connected Vehicle” ecosystem of the future consists of many pillars, all of which are rooted in a core of transformative business mindset, AI/ML, data science, data monetization, UI/UX and IoT.</p> <p>Global change requires enterprise-grade changes in both process and organizational structure to support continuous strategy and innovation. At DMI, our Minimum Viable Transformation (MVT) approach allows companies to integrate with 3<sup>rd</sup> party partners to enable everything from smart cities, smart grids, self-driving, and the connected user experience.</p>
<p><b>May Mobility</b>  <a href="http://www.maymobility.com">www.maymobility.com</a></p> 	<p><b>Sarah Yager</b>            Business Development            Manager  <a href="mailto:sarah.yager@maymobility.com">sarah.yager@maymobility.com</a>            517-252-0381</p>	<p>May Mobility shared Maryland’s Vision for the integration of CAV technologies. We welcome opportunities to partner with the State, local transit agencies, and private partners to create clean autonomous mobility solutions that are safe, equitable, and accessible and promote economic strength and growth in your communities.</p>
<p><b>Workhorse Group Inc</b>  <a href="http://www.workhorse.com">www.workhorse.com</a></p> 	<p><b>Robert A Heber Jr.</b>            Director of Government            Programs            4240 Irwin Simpson Rd            Mason, Oh 45040  <a href="mailto:rob.heber@workhorse.com">rob.heber@workhorse.com</a>            443-370-4296</p>	<p>Workhorse is a technology company focused on providing zero-emission commercial vehicles, including drone-integrated trucks, to the last-mile delivery sector. As an American OEM, we design and build high-performance, battery-electric vehicles including trucks and aircraft. We also develop cloud-based, real-time telematics performance monitoring systems that are fully integrated with our vehicles and enable fleet operators to optimize energy and route efficiency. All Workhorse vehicles are designed to make the movement of people and goods more efficient and less harmful to the environment.</p>

### Questions?

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