

# Maryland Connected & Automated Vehicles Working Group

Tuesday, August 10, 2021

1:00 pm – 3:00 pm

Virtual Meeting Link: <https://attendee.gotowebinar.com/register/1124208174022845456>

AGENDA	
1:00 pm	<b>Call Meeting to Order, Logistics, &amp; Opening Remarks</b> <ul style="list-style-type: none"><li>○ <b>Administrator Chrissy Nizer</b>, Maryland Department of Transportation (MDOT) Motor Vehicle Administration, Co-Chair**</li><li>○ <b>Executive Director Jim Ports</b>, Maryland Transportation Authority, Co-Chair</li></ul>
1:15 pm	<b>Maryland CAV Strategic Framework – Recent Outreach Findings &amp; Subgroup activities</b> <ul style="list-style-type: none"><li>○ <b>Carole Delion</b>, MDOT State Highway Administration**</li></ul>
1:30 pm	<b>Community Visioning for CAV – Local Perspectives &amp; Examples of Active Planning</b> <ul style="list-style-type: none"><li>○ <b>Jason Jannati and Aphaia Harper</b>, Howard County Economic Development Authority, Howard County Gateway Innovation District</li><li>○ <b>Dr. Mona Becker</b>, Mayor, City of Westminster, Westminster Automated Corridor**</li></ul>
1:50 pm	<b>Lessons Learned from Community CAV Projects – and What’s Next? [Panel Discussion]</b> <ul style="list-style-type: none"><li>○ <b>Kelli Raboy</b>, District Department of Transportation, DC “CAV Sandbox”</li><li>○ <b>Ed Jones</b>, Prince George’s County, National Harbor Smart City**</li><li>○ <b>Selected Others to Join Discussion:</b><ul style="list-style-type: none"><li>● <b>Don Halligan</b>, Baltimore Metropolitan Council**</li><li>● <b>Amber Mills</b>, Johns Hopkins University Institute for Assured Autonomy</li></ul></li><li>○ <b>Moderator: Nanette Schieke</b>, MDOT Motor Vehicle Administration**</li></ul>
2:30 pm	<b>Lightning Round of Updates - Recent Companies filing Expression of Interest for MD CAV</b> <ul style="list-style-type: none"><li>○ <b>Kellen Pucher</b>, Panasonic Corporation of North America</li><li>○ <b>Colleen Hahn</b>, Perrone Robotics Inc**</li></ul>
2:40 pm	<b>Brief Status: National CAV Activities Pertinent to Maryland</b> <ul style="list-style-type: none"><li>○ <b>Executive Director Jim Ports</b>, Maryland Transportation Authority, Co-Chair</li></ul>
2:50 pm	<b>Brief Intro of Aberdeen Test Center’s 3-stage Approach to Autonomous Vehicle Testing</b> <ul style="list-style-type: none"><li>○ <b>John Whitt</b>, US Army Aberdeen Test Center**</li></ul>
3:00 pm	<b>Closing:</b> Next meeting – December 14, 2021 @ 2pm-4pm (location TBA)

\*\* denotes in-person speakers

## SPEAKERS:



**Dr. Mona Becker**

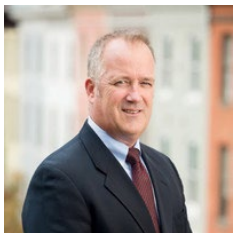
Mayor

City of Westminster

[MBecker@westgov.com](mailto:MBecker@westgov.com)

<https://www.westminstermd.gov/27/Government>

Dr. Mona Becker has been a resident of downtown Westminster, along with her wife, since moving to the city in 2003. She is a member of the Science Faculty and serves as the Science Department Chair at Westminster High School. She has been involved in environmental education, outreach, and leadership throughout her career. Mayor Becker grew up on a small farm in southern Lancaster County, PA, and is a graduate of Millersville University (BS Geology, 1994), Virginia Tech (MS Geology, 1996), and SUNY Stony Brook (PhD Geology, 2001). Upon completing her PhD she lived abroad in England, working in the Earth Science Department at the University of Oxford. Upon moving to Westminster in 2003, she began teaching for Carroll County Public Schools in the area of secondary science. Mayor Becker also served on the faculty of McDaniel College (2010 – 2018) where she co-founded the Environmental Studies Department and served as chair for several years. Mayor Becker previously served on the Common Council as a Councilmember from 2015 – 2019 where she contributed to the fiber project, the Enhanced Nitrogen Removal (ENR) project, the early stages of water reuse/recycling, and reinvestment in downtown. As a resident of the city, Mayor Becker has been involved in the Carroll County Arts Council, the downtown Westminster Farmer’s Market, advocating for downtown businesses, and community outreach. Mayor Becker brings her passion for the city, prior experience in municipal leadership, and community engagement to the Mayor’s Office. Mayor Becker's term expires in 2025.



**Don Halligan**

Senior Transportation Planner

Baltimore Metropolitan Council;

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<https://www.baltometro.org/>

Don Halligan has 37 years of experience in the public sector at the local and state and regional levels, holding a variety of planning positions. Ten years of his career were in Cecil County, Maryland overseeing, land use, transportation and environmental planning areas. He spent over twenty-one years at MDOT, retiring in 2015 as Director of the Office of Planning & Capital Programming. During his state career he served for a short period as Assistant Secretary in the Maryland Department of Planning, running a wide range of planning functions there before returning to MDOT. After retiring from the State, he took a Senior Transportation Planning position at the Baltimore Metropolitan Council and has produced reports and data bases, provides local technical support, and most recently managed the Transit Governance and Funding study as a special project for the Baltimore Regional Transportation Board and the Baltimore Metropolitan Council. He lives in Baltimore with his wife and dog and has two adult children running wild in NYC and Philadelphia. He volunteers at the Station North Tool Library where he can be found making furniture and teaching knife making.



**Aphaia Harper**

Strategic Engagement Manager

Howard County Economic Development Authority

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Aphaia Harper enjoys building connections between business, community, and government organizations for vibrant communities through innovative economic development approaches. She comes to the HCEA with a background in community engagement, outreach, and community development. Aphaia holds a Bachelor of Arts in Political Science and Religion from the University of Vermont. After graduation, she worked as the Community Engagement Coordinator for Winooski, Vermont where she implemented the City’s first-ever Parklet Project on Main Street.

As the Strategic Engagement Manager, Aphaia supports and implements the community engagement strategies of the Maryland Innovation Center (MIC). Aphaia brings an eclectic and creative energy and is dedicated to instilling positive and productivity in any environment. Born in Burlington, VT, and raised in Monkton, MD, Aphaia brings an appreciation for vibrant communities which integrate sustainability in her community and economic development practice.



**Jason Jannati**

Director of Strategic Partnership  
Howard County Economic Development Authority  
[JJannati@howardcountymd.gov](mailto:JJannati@howardcountymd.gov)  
[www.hceda.org](http://www.hceda.org)

Jason Jannati is a highly motivated community developer, and a leader within the cleantech and entrepreneurial ecosystem. Recognized by the Obama White House for efforts in sustainability and job creation, also Baltimore Sun's Top 10 under 30 to watch and 2011 SBA Young Entrepreneur of the Year. Raised in Columbia MD, principles of equality, diversity, and community impact were instilled from an early age. With a mother who was a social worker, and a father who immigrated here while in his early 20's - ingenuity, compassion, and the spirit of entrepreneurship have been instilled to foster Jason as a thoughtful caring father, husband, and man. Jannati graduated from Oakland Mills High School and shortly began building greenNEWit, a company that helped homes and businesses become more energy-efficient. Jannati then led the land development strategy for Power 52 Energy Solutions which developed many of the solar farms that are being built today in Howard County. Jannati is now the director of strategic partnership for Howard County EDA and is working to re-develop Gateway into a city of the future.



**Edward D. Jones**

Traffic Operations Manager  
Prince George's County Department of Public Works & Transportation  
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<https://www.princegeorgescountymd.gov/1002/Public-Works-Transportation>

Ed is a graduate of West Virginia University Institute of Technology in Industrial Technology and a 21-year employee at Prince George's County Government. In his current capacity he serves as the lead for Intelligent Transportation System (ITS) /Traffic Operations Manager for the Traffic Response Information and Partnership (TRIP) Center. Previously, he held the position as the Telecommunications Manager for the Prince George's County Office of Information Technology (OIT). In that role, he led medium-to-large project management teams and working groups in assessing industry best practices, strategies and enterprise architecture. Ed's current achievements include planning the organizational strategy to expand enterprise architecture for "Connected Vehicle" (CV) technology for the County government. He examines feasibility studies, proposals, and in-depth requirements to forecast trends and future technology needs. He communicates technology vision and provides leadership for developing and implementing ITS initiatives.



**Amber Mills**

*Johns Hopkins University Institute for Assured Autonomy*  
Associate Manager for Programs and Research  
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<https://iaa.jhu.edu/>

Amber Mills Grant is an associate staff member at the Johns Hopkins University Applied Physics Laboratory and the assistant program manager of the Assured Intelligent Systems Program. In this role, she has aided in the strategic development, program leadership, and technical evaluation of the program's activities. During her time at APL, Mills served as a systems engineer in the Asymmetric Operations Sector, focusing on operational test and evaluation and integration of solutions for the Department of Defense and the Department of Homeland Security. She has extensive knowledge in the integration of technologies into complex, heterogeneous ecosystems. Mills received a BS in Civil Engineering from The Citadel, The Military College of South Carolina and joined the lab in 2016. She is currently pursuing a master's in Electrical Engineering through the Whiting School of Engineering's Engineering for Professionals program.



**Kelli Raboy**

ITS Program Manager, Traffic Operations and Safety Division  
District Department of Transportation

[kelli.raboy@dc.gov](mailto:kelli.raboy@dc.gov)  
<https://ddot.dc.gov/>

Kelli Raboy serves as the ITS Program Manager for the District Department of Transportation, managing a team to plan, design, and implement technologies and strategies to enhance transportation system operations in the District of Columbia. Previously she worked in various roles supporting USDOT efforts in ITS and connected and automated vehicle applications, including management and design of simulation and field experiments, policy and technical analysis, and stakeholder outreach.



**John M. Whitt**

Virtual Test Support Division Chief  
Aberdeen Test Center

[John.m.whitt4.civ@mail.mil](mailto:John.m.whitt4.civ@mail.mil)  
<https://www.atec.army.mil/atc/>

Mr. John M. Whitt is the Virtual Test Support Division Chief at the US Army Aberdeen Test Center. His division is responsible for testing and analyzing software as well as creating and sustaining modeling and simulation tools to test upcoming Department of Defense and Other Government Agencies' autonomous ground vehicle requirements. John has been with Aberdeen Test Center for over fourteen years and has worked in the areas of ship and submarine shock testing, communications testing, body armor testing, instrumentation development, tactical vehicle testing, and autonomous systems test capability development.

**Lightning Round Updates - Recent Companies filing Expression of Interest for MD CA**

Company	Contact	Brief Description
<b>Panasonic Corporation of North America</b>	<b>Kellen Pucher</b> Two Riverfront Plaza, 11th Floor, Newark, NJ 07102-5490 Email: <a href="mailto:Kellen.Pucher@us.panasonic.com">Kellen.Pucher@us.panasonic.com</a> Website: <a href="https://na.panasonic.com/us">https://na.panasonic.com/us</a>	Panasonic wishes to partner with the state of Maryland in realizing Maryland’s Connected & Automated Vehicle Strategic Framework. Leveraging 100+ years of technological innovation, 60+ years specific to the automotive industry, as well as partnerships and integration experience with 30 automotive OEM’s, Panasonic is uniquely positioned to connect and positively impact the road and everything that touches or travels on it. Today our solutions focus on V2X and connected vehicle technologies by aiding our partners in strategic hardware deployment, and by delivering the Cirrus by Panasonic platform to realize safety, mobility and operational outcomes that result from connected vehicle data.
<b>Perrone Robotics Inc</b>	<b>Colleen Hahn</b> 5625 The Square Crozet, Virginia 22932 Email: <a href="mailto:chahn@perronerobotics.com">chahn@perronerobotics.com</a> Website: <a href="https://www.perronerobotics.com/">https://www.perronerobotics.com/</a>	Perrone is a leading provider of fully autonomous vehicle systems. The company delivers mobility excellence via TONY® (short for "TO Navigate You"), a vehicle independent retrofit kit for use in the autonomous transit of people and goods in geo-fenced and localized operations. TONY embeds inside any vehicle type for any job application to provide a complete "artificial driver" solution that brings full autonomy in a safety certifiable framework. Perrone autonomous vehicle systems help commercial, governmental, campus, hospitality, logistics and community transit customers increase transportation efficiencies, enhance safety, and accelerate zero-emission electric vehicle deployment. The company also offers a portfolio of existing turnkey autonomous shuttles and vehicles pre-integrated with the TONY retrofit kit.