



MILITARY VEHICLE SYSTEMS SUMMIT

DECEMBER 1-2, 2021 | ALEXANDRIA, VA

LEVERAGING ADVANCED TECHNOLOGIES TO TRANSFORM MILITARY GROUND SYSTEMS

Program Design & Goal:	DSI's Military Vehicle Systems Summit is a 'Town-Hall' style forum that will bring together experts from across U.S. Military Services, DoD, & Industry to discuss current initiatives & challenges toward utilizing emerging technologies to help modernize our Military's combat and tactical vehicles, and vehicle systems. The Military Vehicle Systems Summit will detail current and future DoD efforts that are aimed at maximizing the power, survivability and lethality of US Military combat and tactical vehicles. Senior leaders & Industry Partners at this event will brief delegates on various mission priorities toward enhancing the maneuverability, lethality, and efficiency of military vehicles. This Summit will focus on the integration of advanced capabilities onto ground platforms such as Autonomy/AI, Open Architecture Standards, as well as how the Services are working to modernize existing legacy platforms, such as Amphibious Assault Vehicles, M1A1 Abrams Tanks, & High Mobility Multipurpose Wheeled Vehicle, or Humvees, in order keep pace in an ever-changing battlespace. Attendees at this event will also have the chance to hear sessions on updates to the Next Generation Combat Vehicle, plans to further develop the Joint Light Tactical Vehicle, & other solutions for future military ground systems. Additionally, the Summit will examine the growing role of autonomous/semi-autonomous vehicles/unmanned vehicle systems in combat, and how Project Convergence '20 showed this innovative capability will be key to increasing situational awareness & guiding the Warfighter's ability to make quicker, more accurate decisions. Finally, attendees will have a unique opportunity to hear a panel about how the military, in collaboration with industry, is looking into applying open standard electronics architectures for the next generation fleet of ground vehicles. They are looking to design cost-effective power technology concepts & develop EV infrastructures that ultimately have the potential to double ground force operational reach, increase performance, and reduce the Army's logistics burden by half, if fully implemented. A panel of experts will discuss this, as well as the current drive to diversify fuel sources & move away from internal combustion engines, although considering alternate sources of battery charging for EVs vehicles will be a must. DSI's team specializes in the extensive research and development of our Summits' content and focus areas, and we will assemble the most respected minds in the engineering and acquisition communities, as well as the key policymakers across military and civilian offices. Our non-partisan approach allows us to reach across all services and organizations to bring together a truly holistic group of decision makers and solution providers.
Operating Guidelines:	DSI's Summit directly supports the DoD and Government mission priorities by providing a conduit for each speaker to efficiently reach audiences outside of their respective offices that directly impact their department's mission success, at no charge to the government, and in an efficient expenditure of time. DSI's Summit will provide a forum to address and improve internal and external initiatives, meet with and hear from partner organizations, disseminate vital capability requirements to industry, increase visibility within the larger community, and generally support their mission. The Summit is open and complimentary to all DoD & Federal employees and is considered an educational and training forum. The purpose of this event is to inform industry of important initiatives and gain feedback to best support the US Government's missions and goals. (Industry and academia members are charged a fee for admission) Summit is CLOSED TO PRESS / NO RECORDINGS
General Target Audience:	Vehicle Manufacturing, Systems Engineering, Combat and Weapons Systems, Vehicle Electronics & Architecture, Autonomous Systems, AI & Robotics, Armor Manufacturing, Warning and Threat Detection, IED and Mine Protection, Power & Mobility
Specific topics to be discussed include:	- Modernizing & Providing New Capabilities for Army's Next Generation Combat Vehicle (NGVC) Portfolio to Keep Pace With the Evolving Threat Landscape - Managing the Acquisition & Sustainment of USMC Ground Systems Critical to the Fleet Marine Force - Transitioning Advanced Technologies to Military Ground Systems Through Industry Collaboration - Collaborating with Traditional and Emerging Allies to Ensure US Superiority in the Land Domain - Rapidly Delivering Capabilities That Reduce Soldier Exposure, Optimize Manpower, & Enable Sustained Mobility/Lethality - Advancing the Electrification Vision for Military Vehicle Systems - Leveraging Superior Engineering & Manufacturing Capabilities to Bring Transformative Solutions Such as to the Military Vehicle Market

8:00 – 8:45	Registration and Light Breakfast Reception Open
8:45 – 9:00	Event Moderator: COL (Ret.) Gerald ‘Andy’ Boston, USA (Confirmed) Strategic Planning Consultant, Multi-Domain Consulting Former Deputy Director, U.S. Army NGCV Cross Functional Team
9:00 – 9:45	Collaborating with Traditional & Emerging Allies to Ensure US Superiority in the Land Domain - Leading key foreign cooperation and export policy of vehicle and vehicle systems - Achieving national security goals through international cooperation - Collaborating with international partners on vehicle technology innovation Sandra Long, SES (Confirmed) Senior Advisor for Defense Exports DASA (DE&C), Office of the Assistant Secretary of the Army, (Acquisition, Logistics and Technology)
9:45 – 10:30	Rapidly Delivering Capabilities That Reduce Soldier Exposure, Optimize Manpower, & Enable Sustained Mobility/Lethality - Guiding efforts to modernize the Army's Heavy Tactical Vehicle fleet, Medium Tactical Vehicle fleet, and all Army Watercraft Systems - Fielding world-class materiel solutions to meet current and future support requirements of the US Military across the operational spectrum - Overseeing the JLTV program to ensure existing gaps in payload, performance, & protection are closed Senior Representative (Invited) PEO Combat Support & Combat Service Support (CS&CSS) ASA (ALT)
10:30 – 11:00	Networking Break and Exhibits
11:00 – 11:45	Facilitating Efforts Toward Producing Lightweight Tactical Vehicles for the U.S. Army & USSOCOM - Developing specialized, highly mobile, wheeled tactical military vehicles that are easily transportable and can perform and prosecute a variety of mission sets - Partnering with other members of industry to ensure delivery of the most capable vehicles for the most demanding military operating environments - Current goals toward testing the performance, ride quality and reliability, availability, maintainability, and durability of Flyer Vehicles LTG (Ret) Eric J. Wesley, USA (Confirmed) Executive VP, Flyer Defense Former Director, Futures & Concepts Center, Army Futures Command
11:45 – 12:30	Distributing Agile Amphibious Combat Vehicles That Will Help Enhance the Capabilities of Future Marine Forces - Guiding the integration of an agile marine force for next-generation combat - Implementing the new naval force concept in support of marine fighting vehicles - Near term goals toward fielding smaller, more lethal forces within a distributed force structure Col Timothy Hough, USMC (Confirmed) Program Manager, Advanced Amphibious Assault PEO Land Systems
12:30 – 1:30	Networking Lunch

1:30 – 2:15	Modernizing & Providing New Capabilities for Army's Next Generation Combat Vehicle (NGVC) Portfolio to Keep Pace With the Evolving Threat Landscape - Deploying advanced armored vehicles, to further establish a position that will help the Army maintain a decisive advantage against peer adversaries - Ensuring the Army follows the MOSA approach when fielding new technologies such as autonomous/unmanned systems & robotics - Near term considerations toward working with industry partners to integrate new semi-autonomous unmanned ground platforms such as the Robotic Combat Vehicle – Light (RCV-L) MG Richard R. Coffman, USA (Confirmed) Director, Next Generation Combat Vehicle CFT Army Futures Command
2:15 – 3:00	Current NIWC Atlantic Initiatives Toward Integrating the JLTV for the USMC -Ensuring all command, control, communications, computers, intelligence, surveillance and reconnaissance (C4ISR) systems on the JLTV are fully operational -Providing unique flexibility and responsiveness when delivering consistent, quality products to the expeditionary force -Near term goals toward continuing to aide the U.S. Military in manufacturing & replacing its fleet of Humvees Ryan Price (Confirmed) Land Systems Integration Division Head Naval Information Warfare Center (NIWC) Atlantic
3:00 – 3:30	Networking Break and Exhibits
3:30 – 4:15	GM Defense Fireside Chat: Leveraging Superior Engineering & Manufacturing Capabilities to Bring Transformative Solutions Such as the Infantry Squad Vehicle (ISV) to the Military Vehicle Market - Delivering the Infantry Squad Vehicle (ISV) to the Army to be a light and agile all-terrain troop carrier meant to hold nine-Soldier infantry squad and their equipment - Utilizing Soldier feedback to maximize the safety and performance of the ISV - Driving the future of military mobility by leveraging the best-in-class capabilities to support success on the battlefield Stephen S. duMont (Confirmed) President/CEO GM Defense
4:15 – 5:00	Driving Army's Efforts to Build a Ground Vehicle Autonomy Strategy - Ensuring Army ground systems will be developed with the MOSA approach to enable common unmanned maneuver capabilities across the ground vehicle fleet - Leading efforts to put robotics capability into the hands of Soldiers to help define future tactics and techniques - Advancing increased collaborations with industry/academia toward understanding many of the complex challenges facing ground vehicles, especially in harsh environments Robert W. Sadowski, Ph.D. (Confirmed) Army Chief Robotacist, Robotics ST Ground Vehicle Systems Center, AFC Combat Capabilities Development Command

End of Day One

8:15 – 8:45	Registration and Light Breakfast Reception Open
8:45 – 9:00	Event Moderator: COL (Ret.) Gerald ‘Andy’ Boston, USA (Confirmed) Strategic Planning Consultant, Multi-Domain Consulting Former Deputy Director, U.S. Army NGCV Cross Functional Team
9:00 – 9:45	Equipping & Sustaining the Fleet Marine Force with Engineering, Supply, Maintenance, Ammunition and Tactical Wheeled Vehicle Systems to Better Enable Lethality - Fielding safe, reliable, effective and supportable light tactical vehicles and trailer systems for Marines worldwide - Managing the acquisition & life-cycle sustainment of Medium/Heavy Tactical Vehicle systems in a rapid, decisive manner to support operating forces on their mission - Near term goals toward working to enhance the life cycle of quality systems for the MAGTF BGen Arthur J. Pasagian, USMC (Confirmed) Commander MARCORSYSCOM
9:45 – 10:30	Current DOE Partnerships with the DoD: Efforts to Further Develop the Lithium Battery Supply Chain and Sustainability - Accelerating the development of advanced technologies, including highly efficient combustion engines and fuels, lightweight materials, and advanced batteries - Partnering with the DoD & DOC create a more robust, secure, domestic industrial base for advanced batteries - Near term considerations toward working to assist DoD by ensuring there is a supply chain of key battery materials in the future for potential electric military vehicles David Howell (Confirmed) Acting Director, Vehicle Technologies Office Office of Energy Efficiency & Renewable Energy, DOE
10:30-11:15	Managing the Acquisition & Sustainment of USMC Ground Systems Critical to the Fleet Marine Force - Guiding major acquisition efforts at PEO LS toward supplying integrated air and missile defense and protected combat mobility to stay ahead of the future threat - Securing the replacement for the older amphibious assault vehicle: The Amphibious Combat Vehicle (ACV) - Expanding the USMC primary command and control system to loop in amphibious warships at sea and small units ashore conducting EABO missions Robert Cross (Confirmed) Deputy Program Executive Officer, PEO Land Systems HQMC
11:15 – 12:00	Networking Break and Exhibits
12:00 – 1:15	Advancing the Electrification Vision for Military Vehicle Systems <i>Attendees will now have a unique opportunity to hear a panel about how the military, particularly the Army in collaboration with industry, is looking into applying open standard electronics architectures for the next generation fleet of ground vehicles. This discussion will detail how the DoD is looking to design cost-effective power technology concepts & develop EV infrastructures that ultimately could have the potential to double ground force operational reach, increase performance, and reduce the Army’s logistics burden by half, if fully implemented. This panel of experts will discuss this, as well as the current drive to diversify fuel sources & figure out how to sustain/re-charge these electric vehicles in austere environments.</i> Panel Moderator: MG Edmond ‘Miles’ Brown, USA (Confirmed) Commanding General U.S. Army CCDEVCOM

	Panelists: John Hupfer (Confirmed) Ground Robotics Chief Engineer Textron Systems Rich Weiner (Confirmed) Strategic Partner Program Manager Tritium Darren Post (Confirmed) VP, Engineering Lordstown Motors Corp.
1:15 – 2:00	Networking Lunch
2:00-2:45	Leveraging Robotic and Autonomous Systems in Support of Warfighter Objectives - Examining the future direction of ground autonomous systems and vehicles - Discussing the challenges facing the integration of Autonomous systems - Detailing advancements in unmanned vehicles systems Dr. Reed Young (Confirmed) Program Manager, Robotics and Autonomy Johns Hopkins Applied Physics Laboratory
2:45-3:30	Assessing and Developing Marine Corps Present and Future Amphibious Vehicle Platforms - Evaluating the Amphibious Combat Vehicle (ACV) and Amphibious Assault Vehicle (AAV) - Providing timely and accurate information to key USMC decision makers - Examining capability needs of current amphibious vehicles LtCol Scott Graniero, USMC (Confirmed) Director, Amphibious Vehicle Test Branch MARCORSYSCOM
3:30	End of Summit