



FEBRUARY 2021

Military AI brought to you by the editors of [Militaryembedded.com](https://militaryembedded.com) focuses on artificial intelligence technology in the defense and aerospace domain, bringing readers coverage on machine learning, neural networks, and deep learning techniques leveraged in military and aerospace applications.



Solving cybersecurity, AI, and open architecture challenges in defense electronics

JOHN MCHALE, EDITORIAL DIRECTOR

In this episode of the Mil Tech Virtual Toolbox, we spoke with Duc Huy Tran, VP of Global Marketing with Aitech Systems about tools for enabling cybersecurity in military embedded systems and how artificial intelligence (AI) and open architecture initiatives such as the Sensor Open Systems Architecture (SOSA) are changing the defense electronics landscape.

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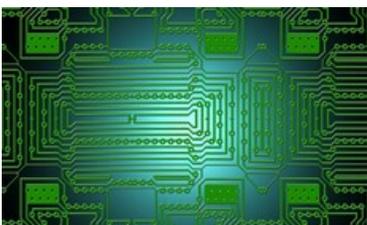


AI-powered battlefield tools from Elbit Systems will supply British armed services

LISA DAIGLE, ASSISTANT MANAGING EDITOR

Elbit Systems UK, the UK subsidiary of Elbit Systems, has won a contract worth approximately \$137 million (approximately 100 million pounds) with Britain's Defense Ministry to provide the British armed forces with the future target-acquisition solution for Joint Terminal Attack Controllers and Fire Support Teams under the Dismounted Joint Fires Integrators (D-JFI) program.

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Explainable AI to be leveraged by Intelligent Artifacts for sensor fusion research

EMMA HELFRICH, TECHNOLOGY EDITOR

Intelligent Artifacts has won a Phase I SBIR contract award by the U.S. Air Force to conduct R&D on a sensor fusion solution to help the AF meet critical Command and Control, Battle Management, and Communications (C2BMC) mission requirements across multiple domains.

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DARPA's RACER-Sim project seeking simulation tech for off-road unmanned vehicles

EMMA HELFRICH, TECHNOLOGY EDITOR

DARPA's Robotic Autonomy in Complex Environments with Resiliency - Simulation (RACER-Sim) project is seeking innovations in technologies that bridge the gap from simulation to the real world and reduce the cost of off-road autonomy development. According to the company, DARPA is inviting proposals for solutions that support these goals.

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AI-powered cybersecurity system for drones deployed by SparkCognition and SkyGrid

EMMA HELFRICH, TECHNOLOGY EDITOR

SparkCognition, industrial artificial intelligence (AI) company, and SkyGrid, a Boeing, SparkCognition Company, announced a new collaboration to deploy AI-powered cybersecurity directly on drones with the intent to protect them from zero-day attacks during flight.

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Webinar: Securing Missions by Scaling to the Edge

Mercury Systems and HPE experts are teaming up as they share the need for edge processing built-in security features that protect data integrity and more.



Sensors and machine learning equip chemical agent-seeking robot

EMMA HELFRICH, TECHNOLOGY EDITOR

Dstl, the science inside U.K. defense and security, has developed a prototype robot so that humans and machines can now team up to detect and report dangerous chemicals over large areas.

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AI algorithms and predictive maintenance to equip Milrem Robotics' new Type-X RCV

EMMA HELFRICH, TECHNOLOGY EDITOR

The medium class Type-X Robotic Combat Vehicle developed by robotics and autonomous systems developer Milrem Robotics passed its initial mobility tests. The Type-X RCV designed to support mechanized units was first announced in the summer of last year.

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AI and ML performance to be boosted with ruggedized storage devices

EMMA HELFRICH, TECHNOLOGY EDITOR

Trenton Systems, Inc., designer and manufacturer of ruggedized, cybersecure computer systems for defense and aerospace industries, has partnered with NGD Systems for ruggedized, high-capacity computational storage drives (CSDs) intended to offer a performance boost to real-time artificial intelligence (AI) and machine learning (ML) systems at the edge.

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Commercial sensors and AI to be used by DARPA under new partnership



CEVA, Inc., licensor of wireless connectivity and smart sensing technologies, announced an open licensing agreement with the U.S. Defense Advanced Research Projects Agency (DARPA) to accelerate technology innovation for DARPA programs.

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AI for Embedded Defense is Here

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Imagine an armed Humvee is moving at night thru a smoke-filled, urban battlefield. Using multiple displays, the crew has a 360° view that is daylight clear, delivered by an imaging system fusing data from optical, infrared, lidar, and radar sensors. Learn how Abaco's GVC1001 Ultra-High Performance Graphics, Vision and AI Evaluation Platform made this possible.

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