AI technologies focus of new Army research center
EMMA HELFRICH, ASSOCIATE EDITOR

According to the U.S. Army Combat Capabilities Development Command (DEVCOM), the U.S. Army will help to guide research at a $7.5 million Department of Defense (DoD) center of excellence created to deliver artificial intelligence (AI) technologies.

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AI and computer-vision software capable of deployment in safety-critical environments launched by CoreAVI
LISA DAIGLE, ASSISTANT MANAGING EDITOR

Core Avionics & Industrial (CoreAVI) has launched what it calls its "Safe AI and Computer Vision solution" that uses its newest product, VkCoreVX SC, a safety-critical implementation of the Khronos Group's OpenVX1.3 API.

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Al-enabled sensor system in development for unmanned aircraft
EMMA HELFRICH, ASSOCIATE EDITOR

General Atomics Aeronautical Systems, Inc.(GA-ASI) has won a $93.3 million contract from the Joint Artificial Intelligence Center (JAIC) to enhance the autonomous sensing capabilities of unmanned aircraft.

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Unmanned mine countermeasures system to utilize Big Data and AI
Thales has won a joint contract to start the production phase of the Maritime Mine Counter Measures (MMCM) to deliver eight unmanned mine hunting systems to France and the U.K.

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Cloud computing, supercomputers, black boxes, and the Kill Web
RAY ALDERMAN, VITA TECHNOLOGIES

Back in 1991, U.S. and coalition forces decimated the Iraqi Army in 42 days during Operation Desert Storm. At the time, Iraq had the world's fifth largest army. Can we do better than 42 days in the future? Yes, with the help of cloud computing and a supercomputer.

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Machine learning approach could improve radar in congested environments
EMMA HELFRICH, ASSOCIATE EDITOR

Research being conducted by the U.S. Army Combat Capabilities Development Command (DEVCOM) is focused on a new machine learning approach that could improve radar performance in congested environments.

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Robot dogs and 3D Virtual Ops Center to supplement Tyndall Air Force Base
EMMA HELFRICH, ASSOCIATE EDITOR

Immersive Wisdom, Inc., company specializing in real-time geospatial collaboration software platforms, announced that it had been selected to provide a 3D Virtual Operations Center for the Air Force Base of the Future.

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AI research aims to develop deep-learning architecture for warfighters
Researchers at the U.S. Army's corporate research laboratory developed an artificial intelligence (AI) architecture that can learn and understand complex events with the intent to enhance the trust and coordination between human and machine needed to complete battlefield missions.

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Radio frequency comms systems equipped with AI to improve network resilience

Perspecta Inc., announced that its applied research arm, Perspecta Labs, has received an award on the modular radio frequency (ModRF) program for the U.S. Army from the Consortium Management Group, Inc., on behalf of the Consortium for Command, Control and Communications in Cyberspace (C5). The award represents follow-on work for the company and has a value of $13 million.

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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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