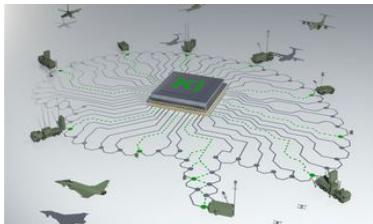




FEBRUARY 2022

Military AI brought to you by the editors of [Militaryembedded.com](https://www.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.



AI-based decision making for military in development with the GhostPlay project

EMMA HELFRICH, TECHNOLOGY EDITOR

The sensor solution provider HENSOLDT is developing new artificial intelligence (AI)-based decision-making processes for military operations as part of the GhostPlay project. This is intended to support military action at the tactical level at the highest operational speed using a synthetic simulation environment.

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Radio frequency geoanalytics goal of Jacobs' investment in HawkEye 360

EMMA HELFRICH, TECHNOLOGY EDITOR

Jacobs has made a strategic investment in HawkEye 360, a company specializing in radio frequency (RF) geoanalytics, intended to provide commercially available precise mapping of global RF emissions.

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Simulation and training company BISim to be acquired by BAE Systems

EMMA HELFRICH, TECHNOLOGY EDITOR

BAE Systems has entered into a definitive agreement to acquire Bohemia Interactive Simulations (BISim), a global software developer of simulation training solutions for military organizations.

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AI algorithms in development with Aurora for DARPA ShELL effort

EMMA HELFRICH, TECHNOLOGY EDITOR

Under a new Defense Advanced Research Projects Agency (DARPA) contract for the Shared-Experience Lifelong Learning (ShELL) Artificial Intelligence Exploration (AIE) effort, Aurora aims to develop AI algorithms to achieve life-long learning for agents that learn new tasks in changing environments while accounting for limitations in communications and hardware configuration.

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Multisensor for autonomy contract signed by AFRL, Parallax Advanced Research

LISA DAIGLE, ASSISTANT MANAGING EDITOR

Parallax Advanced Research -- a nonprofit technology accelerator -- garnered a contract worth \$2 million from the Air Force Research Laboratory (AFRL) Sensors Directorate to participate in the Multi-Sensor Exploitation for Tactical Autonomy (META) program under the AFRL Autonomy Capability Team 3, or ACT3, program.

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Image generator for jet training uses gaming engine for physics-based simulation

EMMA HELFRICH, TECHNOLOGY EDITOR

CAE has announced the launch of its new CAE Prodigy image generator (IG) at this year's Interservice/Industry

Training, Simulation, and Education Conference (I/ITSEC), which is a training and simulation event for the military.

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AI-powered solutions for missile defense in development with 1st Edge

EMMA HELFRICH, TECHNOLOGY EDITOR

1st Edge, company specializing in designing solutions using artificial intelligence (AI) and new technologies, has won a \$9.7 million Small Business Innovative Research Phase III contract to develop AI solutions for the U.S. Army.

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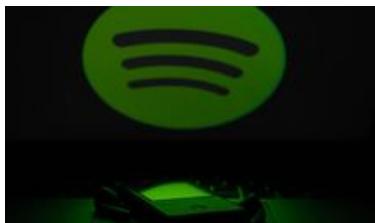


Data network for Coast Guard to be modernized by AT&T

EMMA HELFRICH, TECHNOLOGY EDITOR

AT&T announced that the company will consolidate the U.S. Coast Guard's (USCG) disparate data communications networks onto a single modernized data communications platform under a task order from the Defense Information Technology Contracting Organization, the Defense Information Systems Agency's contracting arm.

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AI startup's situational tech for European defense funded by Spotify co-founder

EMMA HELFRICH, TECHNOLOGY EDITOR

Co-founder of Spotify Daniel Ek has invested over \$133 million into a Germany-based artificial intelligence (AI) startup called Helsing for the development of battlefield AI, according to a press release authored by YPOG, the advising legal team for the latest round of funding.

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New Supercomputer Enables Rugged, Real-Time AI at the Edge

ONE STOP SYSTEMS (OSS)



BY JOHN COX
Senior Editor, PureG2B

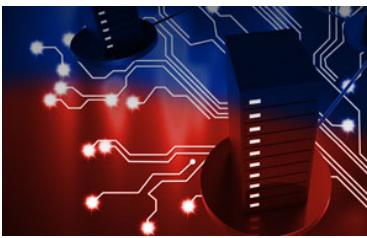
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The current generation of AI compute platforms fail to integrate and optimize high performance computing with compact, rugged form factors. They force program managers to trade performance for rugged design or vice versa.

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Anti-Tamper Benefits of Encrypted Helper-Data Images for PUFs

RAMBUS

PUFs are mixed-signal circuits which rely on variations unique to a specific chip to self-generate a digital “fingerprint.” Most PUFs require a “helper-data” image that is generated during the initial digitization process, also known as Enrollment.

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