



## MARCH 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.

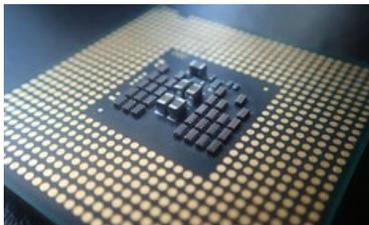


### AI-based, open source intelligence company SAIL LABS acquired by HENSOLDT

EMMA HELFRICH, TECHNOLOGY EDITOR

Sensor specialist HENSOLDT has acquired the Austrian company SAIL LABS, a provider of AI-based Open Source Intelligence (OSINT) solutions. HENSOLDT is aiming to complete its sensor portfolio with intelligent solutions for the digital space.

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### AI-enabled image processing computer designed for SWaP-constrained applications

EMMA HELFRICH, TECHNOLOGY EDITOR

Abaco Systems, Inc. announced the GVC1001, a graphics, vision, artificial intelligence (AI) and image processing computer. Using NVIDIA's latest AI and Deep Learning enabled NVIDIA Jetson AGX Xavier System on Module, Abaco aims to meet the demands and challenges of low size, weight, and power (SWaP) graphics, vision, AI, and sensor computing applications within ground vehicles, aviation, naval, and industrial platforms.

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### AI-powered counter drone system to be delivered to government customer

EMMA HELFRICH, TECHNOLOGY EDITOR

Citadel Defense has received a multi-million-dollar government contract for their Titan, an AI-powered, radiofrequency (RF) based counter drone system.

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## Off-road software suite to enable autonomous Robotic Combat Vehicles

EMMA HELFRICH, TECHNOLOGY EDITOR

Neya Systems announced the contribution of a new capability to the U.S. ARMY's Robot Operating System (ROS)-M registry, a Robotic Technology Kernel (RTK) compatible off-road planning software suite.

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## Machine learning-based system to improve data sharing for DARPA program

EMMA HELFRICH, TECHNOLOGY EDITOR

BAE Systems' FAST Labs research and development organization has been tapped by the Defense Advanced Research Projects Agency (DARPA) to develop a scalable machine learning system designed to provide data anonymity to improve data sharing. The program, called Cooperative Secure Learning (CSL), has potential cybersecurity applications.

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## milCloud 2.0 uses machine learning and cyber sensing to speed innovation

EMMA HELFRICH, TECHNOLOGY EDITOR

General Dynamics Information Technology (GDIT), a business unit of General Dynamics, announced the availability of Amazon Web Services (AWS) through the milCloud 2.0 contract, providing Department of Defense (DoD) mission partners access to an expanded portfolio of secure cloud services.

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## AI- and cloud-based data securely transmitted by ViaSat in Army Cyber Quest demo

EMMA HELFRICH, TECHNOLOGY EDITOR

ViaSat Inc., a communications company, transmitted high performance cloud- and artificial intelligence (AI)-based data in a variety of tactical communication scenarios during the U.S. Army's Cyber Quest 2020 exercise—a collaborative, live event where military, commercial, and defense industry, worked alongside academia and government to examine how electronic warfare, cyber, networking, and communications capabilities could aid global military forces.

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## BigBear.ai merger aims to use AI and data science to bolster DoD decision making

EMMA HELFRICH, TECHNOLOGY EDITOR

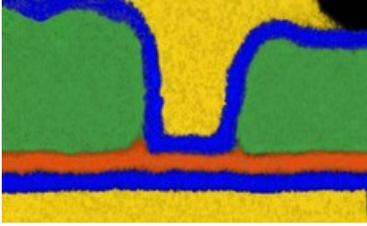
NuWave Solutions and PCI Strategic Management (PCI) announced that they have merged to form BigBear.ai, intended to create a differentiated leader in decision dominance that will aim to deliver high-end capabilities across the data and digital spectrum.

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## AI could get major speed boost from new type of DRAM, research groups say

LISA DAIGLE, ASSISTANT MANAGING EDITOR

Separate research groups in the U.S. and Belgium



believe that a new kind of dynamic random-access memory (DRAM) could hold bits hundreds or thousands of times longer than commercial DRAM and enable huge savings in space and energy when used for artificial intelligence (AI) and large neural nets.

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## Increasing Density in Defense Electronic Systems

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Defense development technologies and strategies are locked into an international race for dominance, control and security protection. Effective EW (electronic warfare) systems are dependent upon staying ahead of competitive nations in controlling and protecting data acquisition, information processing, and transmission within the battlefield arena.

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