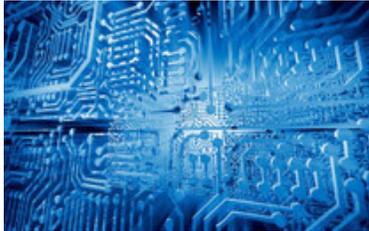




JULY 2020

Military AI brought to you by the editors of 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.



Radar SiP contract announced by Mercury

LISA DAIGLE, ASSISTANT MANAGING EDITOR

Mercury Systems has signed a \$3.9 million multiphase contract award with a leading defense prime contractor for the development of a high-density system-in-package (SiP) solution for radar systems using its 2.5D chip-scale integration technology.

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Critical USAF cyber infrastructure situational-awareness contract signed with SAIC for \$630 million

LISA DAIGLE, ASSISTANT MANAGING EDITOR

Science Applications International Corp. (SAIC) has won a contract from the U.S. Air Force 557th Weather Wing to manage and modernize the critical hardware and software for its Technology Application Development and Sustainment (TADS) system to support the development of accurate and timely weather reports, which are critical for warfighters in the field.

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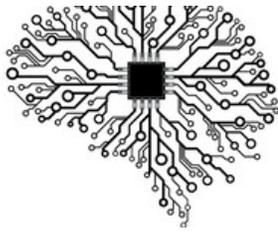


High-density, secure memory device in production with Mercury Systems

EMMA HELFRICH, ASSOCIATE EDITOR

Mercury Systems, Inc., company specializing in mission-critical technologies for aerospace and defense, announced volume production of its newest, high-density (HD) secure memory device, with the most capacity in the smallest form factor available, according to the company.

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When will artificial general intelligence be ready for smart weapon and sensor systems?

DAVID SHERWOOD AND TERRY HIGBEE

Modern sensors and weapon systems, particularly those associated with autonomous vehicles, will be required to make smart, trustworthy decisions in milliseconds. But is today's artificial intelligence (AI) technology up to the task?

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Why space needs artificial intelligence

PAUL ARMIJO AND GEORGE WILLIAMS

Deep learning is empowering systems with unrivaled abilities to perceive their environments visually and to make sense of human language through voice or text. But what do face recognition in family photos or customer-service chatbots have to do with advanced space tech and military intelligence-gathering? Quite a bit, it turns out, and the common denominator is data.

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Tackling the AI paradox at the tactical edge

EMMA HELFRICH, ASSOCIATE EDITOR

Artificial intelligence (AI), as the general public understands it, is frequently associated with alluring – and sometimes alarming – ideas of talking robots, champion chess-playing computers, and sentient technology humans shouldn't trust. In the defense industry, however, AI is on the path to becoming a loyal companion to the warfighter and manufacturers alike. As technology progresses, so does the range of defense capabilities that AI could not only supplement, but eventually manage.

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AI threat-detection system gets \$1 million-plus order from U.S. Navy

LISA DAIGLE, ASSISTANT MANAGING EDITOR

Edge-computing specialist One Stop Systems (OSS) has



won contracts for more than \$1 million in prototype orders for a military airborne artificial intelligence (AI) threat detection system from a U.S. Navy prime contractor; under the contracts, more than \$676,000 in orders have now shipped, with a purchase order for \$350,00 in additional engineering work underway.

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Defense spending down globally due to pandemic, study finds

LISA DAIGLE, ASSISTANT MANAGING EDITOR

Defense spending during and post the COVID-19 pandemic under three scenarios -- gradual containment, severe pandemic, and global emergency -- will either stagnate or decline as governments around the world allocate funds to contain the pandemic and reactivate the economy, according to a new study from Frost & Sullivan, "Post-pandemic Growth Opportunity Analysis of the Defense Industry."

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AI services to be provided to JAIC by Booz Allen Hamilton

EMMA HELFRICH, ASSOCIATE EDITOR

Booz Allen Hamilton announced that the company has won a five-year, \$800 million contract by the GSA's Federal Systems Integration and Management Center (FEDSIM) and the Department of Defense to provide artificial intelligence (AI) services to support the Joint AI Center (JAIC).

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