

JANUARY 2022



Knowledge-management search launched by DARPA aims to avoid continuity gaps

LISA DAIGLE, ASSISTANT MANAGING EDITOR

The Defense Advanced Research Projects Agency (DARPA) has launched a project it calls the Knowledge Management at Scale and Speed (KMASS) program, which is intended to research, develop, integrate, evaluate, and demonstrate underlying technology that enables effective use of documented knowledge, acquisition of new knowledge as part of regular workflows, and application of useful knowledge when and where it is required.

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Microelectronics research support for U.S. Air Force to be provided by KBR

EMMA HELFRICH, TECHNOLOGY EDITOR

KBR won a \$194.3 million task order to research, develop, test, and analyze the design and fabrication of microelectronics components, verifying and validating their trustworthiness for the U.S. Air Force Research Laboratory's (AFRL) Trusted Electronics Branch (RYDT).

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Commercial SSD solution with military-grade protection to classified data at rest released by CDSG

JOHN MCHALE, EDITORIAL DIRECTOR

CRU Data Security Group (CDSG) released the DIGISTOR Citadel family of secure self-encrypting SSDs aimed at military and government applications requiring NSA Data at Rest security protection up to the U.S. government's secret classification level.

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Mission command computing systems to be delivered to U.S. Army

EMMA HELFRICH, TECHNOLOGY EDITOR

Leonardo DRS, Inc. announced that it has won its third production delivery order contract for the next-generation of U.S. Army mission command computing systems, called the Mounted Family of Computer Systems (MFoCS) II.

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TORCH-X based battle management system tested for interoperability

EMMA HELFRICH, TECHNOLOGY EDITOR

Elbit Systems U.K. concluded a participation in NATO's Coalition Warrior Interoperability Exercise 2021 (CWIX 2021), deploying its TORCH-X based Battle Management Application system (BMA) to support U.K. Higher Headquarters preparedness activities for Five Eyes and NATO operations.

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Rugged and secure data- and video-recorder contract signed between U.S. Navy and Mercury Systems

LISA DAIGLE, ASSISTANT MANAGING EDITOR

Mercury Systems has garnered an order worth \$17 million order from the U.S. Naval Air Warfare Center's Aircraft Division (NAWC-AD) for Advanced Data Transfer Systems (ADTS) intended for deployment across the Navy's multiple rotary-wing and tilt-rotor platforms.

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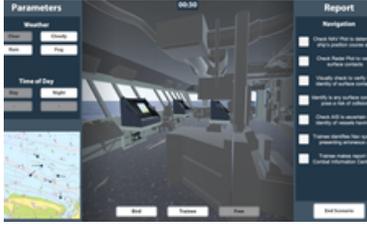


MOSA-built digital engineering environment to enable next-gen space systems

EMMA HELFRICH, TECHNOLOGY EDITOR

Redwire has announced initial operational capability for its investment in a digital engineering environment, the Hyperion Operational Space Simulation Laboratory (HOSS).

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Virtual reality used by Embry-Riddle for cybersecurity defense training

EMMA HELFRICH, TECHNOLOGY EDITOR

Researchers at Embry-Riddle Aeronautical University are designing a simulator to train Navy ROTC students, or midshipmen, in how to identify cybersecurity threats. In order to do so, officials at the university are leveraging virtual reality (VR) expertise found on the Daytona Beach Campus.

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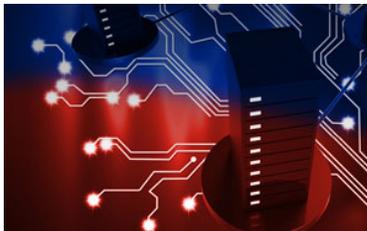


Defense IT spending around the world to top \$137 billion by 2030, study says

LISA DAIGLE, ASSISTANT MANAGING EDITOR

The global market for defense IT spending, which saw \$79.68 billion in 2020, is estimated to generate \$137.65 billion by 2030, with a combined annual growth rate (CAGR) of 6.1% during the covered period, according to a study from Allied Market Research, "Defense IT Spending Market."

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

ONE STOP SYSTEMS (OSS)

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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