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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.



AI-powered data system in development for Defense Intelligence Agency

EMMA HELFRICH, ASSOCIATE EDITOR

Northrop Grumman Corporation has won a task order contract by the U.S. General Services Administration's (GSA) Federal Systems Integration and Management Center (FEDSIM) and the Defense Intelligence Agency to help the organization quickly deliver actionable intelligence and enhance decision superiority.

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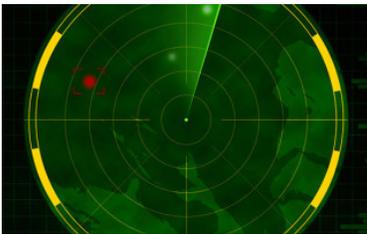


Stellar Relay computing technology aims to enable A3I capabilities

EMMA HELFRICH, ASSOCIATE EDITOR

Parry Labs LLC has announced the successful demonstration of their hyperconverged mission computing technology, Stellar Relay, designed to enable Architecture, Automation, Autonomy Interfaces (A3I) capabilities for U.S. Special Operations Command in collaboration with the U.S. Army's Project Convergence.

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Origins of the Kill Web

RAY ALDERMAN, VITA ORGANIZATION

DARPA (Defense Advanced Research Projects Agency) officials announced the concept of the Kill Web at the C4ISRNET Conference in May 2018. Throughout the history of war, many elements of the Kill Web were being developed independently, but the dots were not connected until Admiral William Owens wrote a paper about a "system of systems". He proposed integrating command-and-control, the intelligence from the sensors, and the weapons together in the mid 1990s. He also coined the acronym ISR (for intelligence, surveillance, and reconnaissance).

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Radio frequency research is being conducted by the Army Research Lab

EMMA HELFRICH, ASSOCIATE EDITOR

Studies being conducted by the U.S. Army Combat Capabilities Development Command Army Research Laboratory are using findings on electromagnetism and radio frequency to ensure U.S. defense forces obtain spectrum dominance on the battlefield.

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A800 3D C-UAS radar powered by AI to detect drones

EMMA HELFRICH, ASSOCIATE EDITOR

Blighter Surveillance Systems, British designer and manufacturer of electronic-scanning radars and surveillance solutions, has announced the launch of the latest in its range of counter-unmanned aerial system (C-UAS) radars, the A800 3D drone detection radar for land, air, and sea surveillance.

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Automated target recognition options developed for Gavia vehicles

EMMA HELFRICH, ASSOCIATE EDITOR

Teledyne Gavia, manufacturer of autonomous underwater vehicles (AUVs), has introduced Charles

River Analytics' AutoTRap Onboard AI-based object detection software as a new capability onboard their Gavia marine vehicles.

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Loyal Wingman Aircraft engine tested by Boeing Australia

EMMA HELFRICH, ASSOCIATE EDITOR

Boeing Australia powered up the commercial turbofan engine on the first Loyal Wingman aircraft in September, as part of ground testing and preparations for first flight.

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Edge-computing test on UAS deemed successful for GA-ASI and SRC

LISA DAIGLE, ASSISTANT MANAGING EDITOR

General Atomics Aeronautical Systems, Inc.(GA-ASI), in cooperation with defense contractor SRC Inc. (Syracuse, New York) reports that it successfully integrated and flew the Air Force Research Laboratory (AFRL) Agile Condor Pod on an MQ-9 remotely piloted aircraft (RPA) at GA-ASI's Flight Test and Training Center in Grand Forks, North Dakota.

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AI and cloud computing focus of DoD C4ISR spending

EMMA HELFRICH, ASSOCIATE EDITOR

Frost & Sullivan's recent analysis, Assessment of the US DoD C4ISR Market, Forecast to 2025, highlights the U.S. Department of Defense (DoD) command, control, communications, computers, intelligence, surveillance, and reconnaissance (C4ISR) budget spending and technology trends.

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