MILITARYAI

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Military AI brought to you by the editors of Mil-Embedded.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-enabled, Loyal Wingman UAV revealed by Boeing

EMMA HELFRICH, ASSOCIATE EDITOR

A Boeing-led Australian industry team has presented the first unmanned Loyal Wingman aircraft to the Royal Australian Air Force, a historic milestone for the company and the Commonwealth according to officials.

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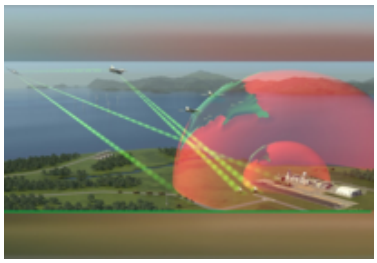

AI- and sensor-based electronic shield designed for Air Forces

EMMA HELFRICH, ASSOCIATE EDITOR

Sensor solution provider HENSOLDT has developed a modular airborne electronic combat system: Kalætron Attack. By neutralising enemy fire control radars at different distances, it is designed to preserve freedom of movement for the air forces that deploy it and their allies.

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New automated reconnaissance UAS designed for defense

EMMA HELFRICH, ASSOCIATE EDITOR

AeroVironment, Inc., unmanned aircraft systems (UAS) manufacturer, announced the availability of Quantix Recon, a fully-automated reconnaissance solution that is designed to deliver high resolution, geo-referenced terrain, vegetation, and infrastructure imagery, intended to provide ground forces with on-demand actionable intelligence.

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Machine-learning analytics from BAE

Systems chosen for situational-awareness tools

LISA DAIGLE, ASSISTANT MANAGING EDITOR

BAE Systems has won a contract with the U.S. Defense Advanced Research Projects Agency (DARPA) to develop machine learning analytics as a service -- a first-of-its-kind, cloud-based model for government use that intends to provide an automated service that leverages commercial and open source data, including satellite imagery, to deliver continuous worldwide situational awareness for a diverse range of challenges, including anomaly detection and prediction.

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Machine learning integrated into cyberdefense solutions

EMMA HELFRICH, ASSOCIATE EDITOR

Perspecta Inc., announced that its applied research arm, Perspecta Labs, won the Autonomous Defensive Cyber Operations program from the U.S. Army Combat Capabilities Development Command, Command (CCDC), Control, Computers, Communications, Cyber, Intelligence, Surveillance and Reconnaissance Center (C5ISR), Space and Terrestrial Communications Directorate.

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Fully autonomous air-to-air refueling achieved by Airbus

EMMA HELFRICH, ASSOCIATE EDITOR

Airbus has achieved an automatic air-to-air refueling (A3R) operation with a boom system. The flight test campaign, conducted earlier in the year over the Atlantic Ocean, involved an Airbus tanker test aircraft equipped with the Airbus A3R solution, with an F-16 fighter aircraft of the Portuguese Air Force acting as a receiver.

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AI assistant examined to aid in simplifying applications for USAF

LISA DAIGLE, ASSISTANT MANAGING EDITOR

Engineering firm MSBAI has received an AFWERX Small Business Innovation Research (SBIR) Phase 1 contract

to examine integrating its GURU artificial intelligence (AI) technology to U.S. Air Force applications.

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AI processing technology order won by Mercury Systems

EMMA HELFRICH, ASSOCIATE EDITOR

Mercury Systems, Inc., secure mission-critical technologies for aerospace and defense company, announced it received a $4.7 million order from a leading defense prime contractor to provide artificial intelligence (AI) processing technology for integration into an advanced airborne electro-optic system.

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Centaur UGVs to aid in detection of IEDs

EMMA HELFRICH, ASSOCIATE EDITOR

FLIR Systems, Inc. announced that the U.S. Marine Corps has ordered more than 140 of the company's Centaur unmanned ground vehicles (UGV), plus spares. The $18.6 million contract is sourced through the Department of Defense Man Transportable Robotic System Increment II (MTRS Inc II) program.

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