SPECIAL REPORT

Counter-drone technologies are evolving to "counter" countermeasures

SALLY COLE SENIOR EDITOR

Counter-unmanned aircraft system (UAS) technologies are focusing on a multilayered defense. They?re also being tasked with providing a ?counter? to countermeasures.

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INDUSTRY SPOTLIGHT

Wideband signal and data recorders harness new technologies

RODGER HOSKING, PENTEK, INC.

Wideband recorders draw upon diverse disciplines of new technology to keep pace with the explosion of the number of information traffic channels and increased bandwidth. Fortunately, many of these technologies are driven by large worldwide market forces, which feed off our planet’s insatiable need for connectivity and storage. With no perceivable upper limit to speed or capacity requirements, wideband recorders will continue to serve critical roles in both deployment and development of vital military and aerospace systems.

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STANDARDS UPDATE

Development of the next-generation
Something exciting is happening in the service representative community. Representatives from three different programs, one from each of the U.S. Department of Defense (DoD) services, have come together with a common objective to solve their respective acquisition problems with an agreed-upon, open architecture standard. Here is Part 2 of a 3-part article covering the SOSA [Sensor Open System Architecture] Consortium?s efforts.

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BUDGET OVERVIEW
Procurement, modernization highlights from DoD FY 2020 budget request
JOHN MCHALE, EDITORIAL DIRECTOR
Funding requested for Department of Defense (DoD) Major Defense Acquisition Programs (MDAPs) for Fiscal
Year (FY) 2020 totals $89.3 billion, accounting for about 34 percent of the Trump administration’s Procurement and Research, Development, Test, and Evaluation (RDT&E) funding request for the Department of Defense (DoD) of $247.3 billion. Included below are updates on programs such as the Joint Light Tactical Vehicle (JLTV), the Apache helicopter, the F-35, cyberspace programs, the B-21 Raider, the Unmanned Surface Vehicle, and more.

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CYBERSECURITY UPDATE

U.S. Army preps for future of AI on the battlefield

SALLY COLE SENIOR EDITOR

As the U.S. Army launches a project to bring artificial intelligence (AI) to the battlefield, other researchers have developed tests to determine whether systems are using “explainable artificial intelligence,” which can play a crucial role in preventing undesirable decision-making.

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SISTER PUBLICATION - VITA TECHNOLOGIES

Mars Exploration Rover

JERRY GIPPER EDITORIAL DIRECTOR

I was saddened in February with the news from NASA that the Opportunity Rover mission on Mars was formally concluded. What was originally supposed to be a 90-day, 1,000-meter, exploratory excursion had turned into a nearly 15-year, 28.4-mile odyssey across the surface of Mars, far beyond the expectations of anyone.

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BEST-IN-SHOW AWARDS

Best in Show awards selected at Sea-Air-Space 2019

MILITARY EMBEDDED SYSTEMS

Military Embedded Systems is excited to announce today the winners of our Best in Show Award contest, which we're holding this week for our supporters exhibiting at the 2019 Sea-Air-Space conference and exposition taking place this week at the Gaylord National Resort and Convention Center in National Harbor, Maryland. Contest winners, drawn from military embedded systems exhibitors at the event, are recognized for the improved performance and innovation they bring to military electronic systems applications.

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CONTEST

Submit Your Product Entries for the Best In Show Awards

Get your hardware/software solution recognized at the top Defense Electronics shows in the U.S. and Europe.

Military Embedded Systems will be highlighting the best products and solutions at the defense electronics industry's top trade shows across the US and Europe.

- Build publicity around your products at the event
- Get recognized by our audience of Defense Prime Contractors, and System Integrators, and to Embedded COTS Suppliers

Winners will be announced at the respective events.

Register Here +
The Impact of the Internet of Things on Product Development

IBM

The IoT is changing consumer behavior and expectations, and leading businesses are responding to its challenges and opportunities. Product development in the IoT world is increasingly consumer driven, requiring proactive development processes that include feedback loops as early and as often as possible in the design process.

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Empowering Future-Proof Test Organizations Through Standardization

NATIONAL INSTRUMENTS

As customers demand new technology in modern aircraft, trends like electrification take deeper hold, and companies continue to see value in international talent that requires global development sites, aerospace and defense organizations need to determine whether the status quo is the right choice for a future of growth.

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Thunderbolt 3: A Path Forward for Avionics Data Bus Interfaces and Abaco’s ARINC 615-3 Data Loader
ABACO SYSTEMS

It’s no secret that the expansion slot capability available on commercial laptops has changed dramatically over the past ten years. PC Card? slots (also commonly referred to as PCMCIA slots) have all but vanished and it’s rare to find Express Card slots. Thunderbolt ports are now gaining in popularity for high-performance peripheral support.

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SPONSORED WHITE PAPER
Optimizing the Engineering Life Cycle Requires Digital Transformation
IBM

The complexity of today’s software and products, combined with rising customer expectations, is forcing engineering teams to change the way they work. In this new and timely executive briefing paper by MIT Technology Review Insights, learn how engineering teams use new technologies and agile processes to optimize the engineering lifecycle and continuously improve product development.

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