MIL TECH TRENDS

Designing multifunction radar and EW systems means staying ahead of the tech curve

MARIANA IRIARTE, TECHNOLOGY EDITOR

Huge data demands - including those from artificial intelligence (AI) and machine learning (ML) applications - are pushing radar and electronic warfare (EW) developers to seek new ways to deliver multifunction systems that also meet strict size, weight, and power (SWaP) requirements.

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BEST IN SHOW AWARDS

Best in Show awards selected at Aerospace Tech Week

Avionics Design is excited to announce today the winners of Aerospace Tech Week Best in Show Award contest, which we’re holding this week for exhibitors at Aerospace Tech Week in Munich, Germany. Contest winners, drawn from exhibitors at the event, are recognized for the improved performance and innovation they bring to aerospace applications.

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ADLINK’s Rugged 6U CompactPCI Blade Powered by 6th/7th Gen Intel Xeon? E3 and Core? Processors

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UNIVERSITY UPDATE

Shape-shifting, foldable drones are on the way

SALLY COLE, SENIOR EDITOR

Shape-shifting, foldable drones are on the way, thanks to a team of researchers from the Robotics and Perceptions Group at the University of Zurich (UZH) and the...
Standardization has been an aspirational objective in test organizations for decades. In 1961, D.B. Dobson and L.L. Wolff of Radio Corporation of America (RCA) published a paper, “Standardization of Electronic Test Equipment.” The paper presented the principles, criteria, and techniques used in the investigation and prototyping of multipurpose missile system test equipment.
MIL TECH INSIDER

MACsec encryption extends the value of copper-based Ethernet LANs

MIKE SOUTHWORTH, CURTISS-WRIGHT DEFENSE SOLUTIONS

There is vastly more copper-based twisted-pair Ethernet infrastructure deployed on military and aerospace platforms than there is fiber-optic cable-based wiring. For one thing, the cost of copper cabling and its related connectors keeps being driven downward by the economies of scale brought about by its widespread use, helping to make it virtually ubiquitous.

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High-energy physics: Controllers for X-ray laser accelerators
HEIKO KOERTE & VOLLRATH DIRKSEN, N.A.T. GMBH

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XPONENTIAL 2019
Marketer’s guide to Xponential 2019
MILITARY EMBEDDED SYSTEMS

Xponential, taking place April 30th – May 2nd at the McCormick Place in Chicago, brings more than 8,500 industry leaders together focusing on unmanned technology.

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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.

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- 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.

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PENTEK

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**Development Tactics and Techniques for Small Form Factor RF Signal Recorders**

PENTEK

This paper describes the engineering considerations and design techniques used to develop a small form factor rugged recorder that can handle the extremely high data rates associated with very wide bandwidth RF signal recording.

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