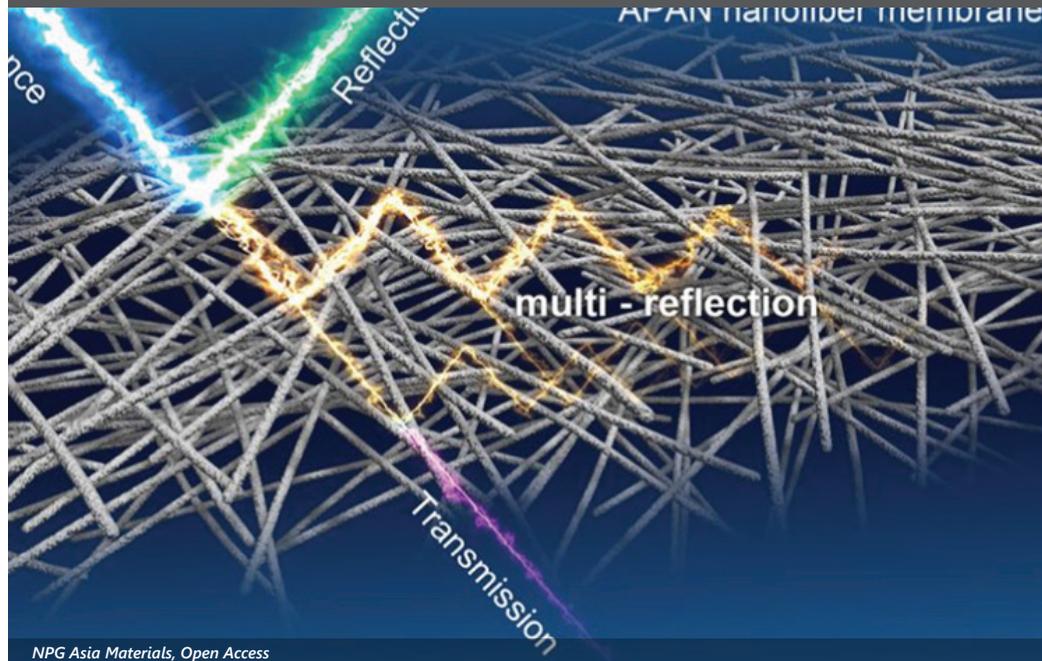


# DEFENSE

## Systems Digest

The Latest From the Defense Systems Information Analysis Center // November 16, 2022



## NOTABLE TECHNICAL INQUIRY

**What are the means to enhance and analyze the electromagnetic interference shielding effectiveness of various polymer-materials-impregnated conductive materials?**

The Defense Systems Information Analysis Center (DSIAC) received technical inquiries regarding the means to enhance and analyze the electromagnetic interference shielding effectiveness (SE) of various polymer-materials-impregnated conductive materials, such as copper meshes, nickel-coated carbon fibers, and polyether ether ketone. Technical experts at DSIAC compiled information about the state of research regarding the SE of these composite materials, the companies that produce them and offer electromagnetic SE testing services, and the various... [LEARN MORE](#)



## SNEAK PEEK

**UPCOMING WEBINAR:**  
*Cost-Effective Verification, Validation, and Accreditation (VV&A) in the Systems Engineering Process: Focusing V&V on A*

**DATE:**  
December 7, 2022

**TIME:**  
12:00 PM

**PRESENTED BY:**  
David Hall

**HOST:**  
DSIAC



## VOICE FROM THE COMMUNITY

**Chris Peitsch**  
*Avonix Imaging*

Chris Peitsch is a subject matter expert in industrial computed tomography (CT) at X-ray & CT Imaging Systems at Avonix Imaging. Prior to joining Avonix Imaging, he was a research engineer at the Johns Hopkins University Applied Physics Laboratory, where he focused on X-ray CT and its applications in additive manufacturing, electronics systems inspection, and aviation security. Mr. Peitsch also worked at Chesapeake Testing, in Aberdeen, MD, where he launched a large X-ray/CT inspection service laboratory.

## ARE YOU A SME?

If you are a contributing member of the information systems community and are willing to help others with your expertise, you are an SME!

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**BECOME A SUBJECT MATTER EXPERT**



## HIGHLIGHT

### U.S. Army Training and Doctrine Command Updates Army Capstone Doctrine, Codifying Shift to Multidomain Operations

WASHINGTON — U.S. Army Training and Doctrine Command released the latest version of the Army’s capstone operations doctrine, Field Manual 3-0, Oct. 11, 2022, as senior leaders gathered for the 2022 Association of the United States Army Annual Meeting and Exposition, Oct. 10-12, in Washington D.C. The manual is available to view and download on the Army Publishing Directorate website. [LEARN MORE](#)

## FEATURED NEWS

### National Defense Strategy

On October 27, 2022, the U.S. Department of Defense publicly released the unclassified National Defense Strategy (NDS), a Congressionally-mandated review. This strategy sets the strategic direction of the Department to support U.S. national security priorities and flows directly from President Biden’s National Security Strategy. The NDS includes the Nuclear Posture Review (NPR) and the Missile Defense Review (MDR). [READ MORE](#)



Image: U.S. Navy



NAVAIR

## WEBINARS

### Cost-Effective Verification, Validation, and Accreditation (VV&A) in the Systems Engineering Process: Focusing V&V on A

*Presented:* December 7, 2022 12:00 PM

*Presenter:* David Hall

*Host:* DSIAC

The U.S. Naval Air Warfare Center Aircraft Division (NAWCAD) Warfare Effectiveness Department (WED) VV&A Branch has developed and executed a cost-effective, risk-based VV&A process for modeling and simulation (M&S) used to support the U.S. Department of Defense (DoD). [LEARN MORE](#)

[MORE](#)



### Development and Utilization of TIPS Within the FRACTALS at the DEVCOM Analysis Center

January 11, 2023 12:00 PM

## EVENTS

### Advanced Materials for Defense Summit

November 16–17, 2022

### Eglin AFB Tech Expo

November 17, 2022

### Military Vehicle Systems Summit

November 30–December 1, 2022

### Defense Manufacturing Conference 2022

December 5–8, 2022

### Military Standard 810 (MIL-STD-810) Testing Open Course

January 23–26, 2023

### Want your event listed here?

Email [contact@dsiac.org](mailto:contact@dsiac.org), to share your event.

## DID YOU MISS OUR LAST WEBINAR?

"X-Ray Computed Technology as a Reverse Engineering Tool"

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-  Survivability & Vulnerability
-  Weapons Systems

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## RECENT NEWS



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### U.S. Navy Equips USS Bataan With First Metal 3-D Printer

The Defense Post



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### Supporting Innovation With Automation: INL Researcher Develops Autonomous Hot Cell Tool

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U.S. Air Force

### AFRL Upgrades Rocket Fabrication Capabilities

U.S. Air Force



DARPA

### DARPA's Robotic In-Space Mechanic Aces Tests, on Track for Launch

DARPA



U.S. Army

### US, UK Explore Interoperable, Battlefield-Ready 3-D Printing Capabilities

U.S. Army



U.S. Navy

### U.S. Department of Defense Continues to Advance Hypersonic Capabilities

U.S. Navy