DEFENSE Systems Digest

The Latest From the Defense Systems Information Analysis Center // November 14, 2023

SEEKING YOUR KNOWLEDGE!

What information is available on current efforts to improve survivable fuzes for penetrating munitions?

DSIAC is seeking information on current research to improve the overall design and survivability of fuzes to make penetrating munitions more reliable. **READ MORE**

If you have any information related to this inquiry, please contact Scott Armistead (scott.e.armistead.ctr@mail.mil), the lead DSIAC analyst for this effort.

DID YOU MISS OUR LAST WEBINAR?

"Emerging Applications of Machine Learning and Predictive Analytics in Naval Energy Autonomy"

WATCH NOW!

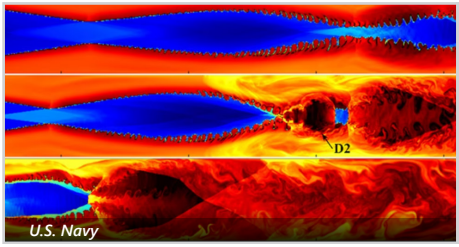
or download the slides

NOTABLE TECHNICAL INQUIRY

What UASs can carry out an autonomous unmanned maritime ISR mission?

The Defense Systems Information Analysis Center (DSIAC) was asked to search for UASs that perform ISR maritime missions. A set of parameters was given to DSIAC staff to limit the results, although this search was nonexhaustive and UASs that do not meet all parameters are included. **READ MORE**

UPCOMING WEBINAR



Multiscale Study of Hypersonic Vehicles: From Turbulence to...

December 13, 2023
12:00 PM – 1:00 PM

Presenter: *Dr. James Chen* ***Host:*** *DSIAC*

Recent technology development for hypersonic vehicles has posed several challenges from a fluid and solid perspective. We will discuss both perspectives, including the intrinsic angular momentum coupling with linear momentum and a manufacturing-driven integrated computational materials... **READ MORE**

FUTURE WEBINARS

Assessing Military Technology: Effectiveness Is the Metric That Matters

January 10, 2024
12:00 PM – 1:00 PM

U.S. DoD

HIGHLIGHT

Digital Design Concept Wins AFMC Spark Tank Integrated Capabilities Challenge

WRIGHT-PATTERSON AIR FORCE BASE, Ohio – A novel idea to revolutionize capability development through optimized digital engineering is the winner of the Air Force Materiel Command (AFMC) Spark Tank Integrated Capabilities challenge.

Douglas Szczublewski, Next Gen Capabilities Lead and aerospace engineer, Aerospace Systems Directorate, U.S. Air Force Research... **LEARN MORE**

EVENTS

Modern Warfare Week
November 13–16, 2023
Fort Liberty, NC

2023 Fall AFSIM User Group Meeting
November 13–16, 2023
Virtual

The Directed Energy Systems Symposium
November 13–16, 2023
Monterey, CA

Military Standard 810 (MIL-STD-810) Test Training (NTS Huntsville, AL)
December 4–7, 2023
NTS Huntsville, AL

AOC 2023 International Symposium and Convention
December 11–13, 2023
National Harbor, MD

Want your event listed here?
Email contact@dsiac.org to share your event.

VOICE FROM THE COMMUNITY

David "DP" Wilson
Technical Advisor for Electronic Warfare/Avionics, Mercer Engineering Research Center (MERC)

David Wilson is an electronic warfare/ avionics technical advisor at MERC, Robins Air Force Base, GA, responsible for the Defensive Avionics System Lab for the B-1B Bomber and ALQ-161 S/W upgrades. He provides subject matter expertise and leadership in live, virtual, and constructive modeling and simulation; Digital Integrated Air Defense System integration; and integrated support systems for the 68th electronic warfare squadron. He retired from the Air National Guard as a Lieutenant Colonel instructor pilot.

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 a subject matter expert (SME)!

Join our team today!

BECOME A SUBJECT MATTER EXPERT

ABOUT TECHNICAL INQUIRIES (TIs)

WHAT IS THE TI RESEARCH SERVICE?

- FREE service conducted by technical analysts
- 4 hours of information research
- Response in 10 business days or less

WHO CAN SUBMIT A TI?

- U.S. government (federal, state, or local)
- Military personnel
- Contractors working on a government or military contract

WHY UTILIZE THE TI RESEARCH SERVICE?

- Get a head start on your technical questions or studies
- Discover hard-to-find information
- Find and connect with other subject matter experts in the field
- Reduce redundancy of efforts across the government

To submit a TI, go to https://dsiac.org/technical-inquiries

FOR MORE: FOLLOW US ON SOCIAL!

DVIDS

RECENT DSIAC TIs

- What Pk tables can be used for modeling and simulation DEWs?
- Can you identify UAS technologies that can launch from a manned aircraft, is cost-effective, attritable, or recoverable, and allows quick integration of new technologies?
- What are the test standards for conducting armor penetration testing of shaped charge warheads into rolled homogeneous steel blocks?

RECENT CSIAC & HDIAC TIs

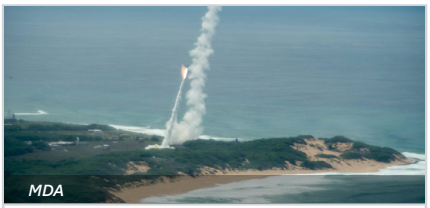
- How does the U.S Department of Defense (DoD) define "accredited" modeling and simulation software, specifically for tactical missile simulations?
- What is the latest guidance on cybersecurity supply chain risk management?
- What COTS/GOTS gunshot detection systems are available?

FEATURED NEWS

Army's JTAGS Mission Transfers to USSF

BUCKLEY SPACE FORCE BASE, Colo. – The U.S. Army's Joint Tactical Ground Station missile warning system mission officially transferred to the U.S. Space Force on October 1. **READ MORE**

RECENT NEWS

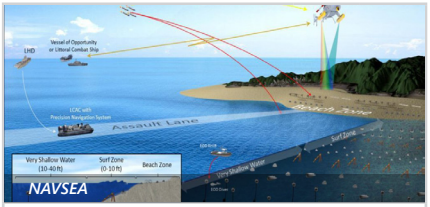


U.S. Navy and MDA Successfully Intercept Multiple Targets in Integrated Air and Missile...

Missile Defense Agency

AFRL Announces Airlift Challenge, AI-Based Planning Competition

Air Force Research Laboratory



JABS Program Personnel Complete Final Test Milestone, Leave 21-Year MCM Program...

Naval Sea Systems Command

Navy Assessing New Aircrew Survival Vests Improving Safety, Readiness

Naval Air Systems Command

Black Skies 23-3: USSF Conducts Largest-Ever Joint Space Electromagnetic...

U.S. Space Force

Soldier Touchpoint Supports XM30 Program

U.S. Army

- Advanced Materials
- Autonomous Systems
- C4ISR
- Directed Energy
- Energetics
- Military Sensing
- Non-Lethal Weapons
- RMQSI
- Survivability & Vulnerability
- Weapons Systems

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