

DEFENSE

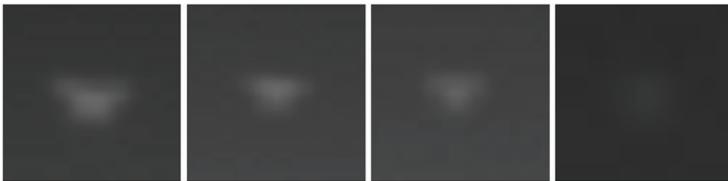
Systems Digest

The Latest From the Defense Systems Information Analysis Center // January 3, 2023

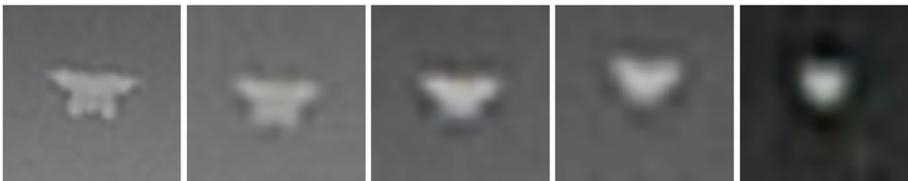
SWIR



MWIR



LWIR



Sandia National Laboratories

NOTABLE TECHNICAL INQUIRY

What unclassified, hyperspectral, long-wave infrared (LWIR), thermal imagery, or polarimetric datasets are available?

The Defense Systems Information Analysis Center (DSIAC) was asked to identify unclassified LWIR, thermal imagery, or polarimetric datasets. DSIAC subject matter experts highlighted the available open-source or government, unclassified, thermal, hyperspectral LWIR, and polarimetric datasets accessible for use in data exploration. These datasets were categorized into openly available datasets and unclassified or FOUO/CUI government access datasets that would be available by request and if allowed... [LEARN MORE](#)



SNEAK PEEK

UPCOMING WEBINAR:
Development and Utilization of TIPS Within the FRACTALS at the DEVCOM Analysis Center

DATE:
January 11, 2023

TIME:
12:00 PM

PRESENTED BY:
Eric Harclearode

HOST:
DSIAC



VOICE FROM THE COMMUNITY

Melinda Tourangeau

Executive Director, Board of Directors
Chairman, RVJ Institute, Inc.

In addition to her positions at RVJ, Melinda is also President and Cofounder of Warrior Support Solutions, LLC, a woman- and veteran-owned small business that performs research, studies, and analysis in electromagnetic spectrum operations for the U.S. Department of Defense, industry, and academia. She served in the U.S. Air Force as an electrical engineer managing high-technology programs and a data systems engineer and program manager leading several electro-optic and intelligence programs. She holds a patent on photodiode enhancements using nanotechnology.

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!

Join our team today!

**BECOME A SUBJECT
MATTER EXPERT**



U.S. Army

HIGHLIGHT

JASP Model Users Meeting (JMUM)

The 2023 Joint Aircraft Survivability Program (JASP) Model Users Meeting (JMUM) will take place the week of March 20th, 2023, at Georgia Tech Research Institute (GTRI) Conference Center, 250 14th Street NW, Atlanta, GA, 30318. The purpose of this meeting is to provide model users, managers, stakeholders, and other interested individuals with information on the latest developments and updates to JASP-sponsored models and other engineering- and engagement-level models used throughout the aircraft survivability community. [LEARN MORE](#)

FEATURED NEWS

Official Says Integrated Deterrence Key to National Defense Strategy

"Integrated deterrence is important in three documents released in 2022: the National Defense Strategy, the Nuclear Posture Review, and the Missile Defense Review," said the Assistant Secretary of Defense for Strategy, Plans, and Capabilities. "Integrated deterrence can be thought of as two things: integrated and deterrence," Mara E. Karlin said today at Defense Forum Washington 2022. [READ MORE](#)



Image: Department of Defense



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WEBINARS

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

Presented: January 11, 2023 12:00 PM

Presenter: Eric Harclearode

Host: DSIAC

The Combat Capabilities Development Command (DEVCOM) Analysis Center (DAC) has developed the Tactical ISR [intelligence, surveillance, and reconnaissance] Performance Suite (TIPS), a reusable code library that encapsulates the DAC sensor performance models and behavior methodologies. DAC also develops the Framework for Capability-based Tactical Analysis Libraries and Simulations (FRACTALS) to allow integration of numerous item-level performance models and methodologies. Together, TIPS and FRACTALS are utilized to conduct item and/or system-level analysis via tactical-level vignettes. [LEARN MORE](#)

EVENTS

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

January 23–26, 2023

Fundamentals of Random Vibration and Shock Testing Training (Westpak, Inc., San Diego, CA)

January 23–26, 2023

Military Standard 810 (MIL-STD-810) Test Training (NTS, Plano, TX)

January 23–26, 2023

Military Additive Manufacturing 2023

February 1–2, 2023

UAV Technology USA 2023

February 6–7, 2023

Military Aviation & Air Dominance Summit

February 22–23, 2023

Want your event listed here?

Email contact@dsiac.org, to share your event.

DID YOU MISS OUR LAST WEBINAR?

“What Makes a Simulation Credible? Cost-Effective Verification, Validation, and Accreditation (VV&A) in the Systems Engineering Process: Focusing V&V on A”

WATCH NOW!

[or download the slides](#)

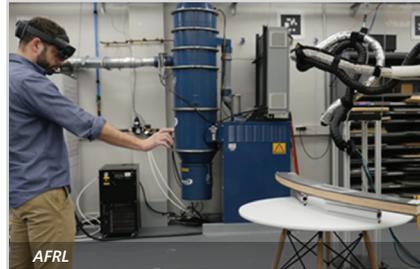
-  Advanced Materials
-  Autonomous Systems
-  C4ISR
-  Directed Energy
-  Energetics
-  Military Sensing
-  Non-Lethal Weapons
-  RMQSI
-  Survivability & Vulnerability
-  Weapons Systems

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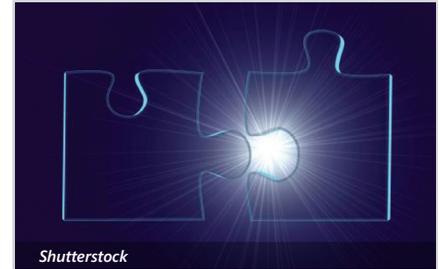
RECENT NEWS



AFRL

AFRL Division Wins Award for Cold Spray Robot

U.S. Air Force



Shutterstock

Scientists Develop New Algorithm That May Provide Insights Into Battery Corrosion

Argonne National Laboratory



U.S. Navy

NRL Engineers Ready Innovative Robotic Servicing of Geosynchronous Satellites (RSGS) Payload for Launch

U.S. Navy



U.S. Navy

U.S. Navy Demonstrates New Launch and Recovery Solutions for Large Unmanned Undersea Vehicles

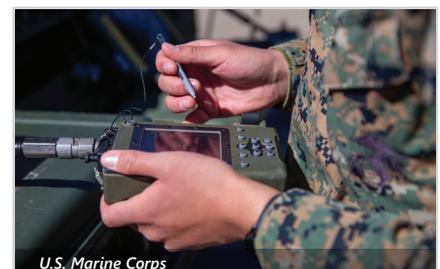
U.S. Navy



U.S. Air Force

WSINT 22B: USAF Weapons School Conducts Largest-Ever Over-Water, Joint Counter Maritime Exercise

U.S. Air Force



U.S. Marine Corps

Missouri-Based Comm Marines Shoot Radio Frequency to Peru in Worldwide Competition Noble Skywave

U.S. Marine Corps

