DEFENSE Systems Digest

The Latest From the Defense Systems Information Analysis Center // August 20, 2024

FY24 JAS PROGRAM REVIEW

The Joint Aircraft Survivability (JAS) Program Office will host the 2024 JAS Program Review (JPR) at the GTRI Conference Center on 24-26 September 2024. The purpose of the review is to facilitate aviation survivability dialogue between the science and technology, acquisition, industry, academic, and operational communities. This will be achieved by presenting a technical overview of the program and fiscal year 2024 (FY24) projects and informing the aviation community of the work involved.

CLICK HERE TO LEARN MORE AND REGISTER: https://dsiac.org/events/fy24-jas-program-review-jpr/

DID YOU MISS OUR LAST WEBINAR?

"Rotating Detonation Engine Propulsion Integration Efforts at the U.S. Air Force..."

To view the webinar, click here

NOTABLE TECHNICAL INQUIRY

Can you provide a summary of current space-related research and capabilities in China?

The Defense Systems Information Analysis Center (DSIAC) was asked to investigate China's satellite industry. Key questions addressed included the current number of Chinese satellites in Earth orbit, the technical specifications of China's military and civilian satellites, China's satellite manufacturing capabilities, major organizations involved in China's satellite production, and the Chinese government's funding and development priorities... **READ MORE**

UPCOMING WEBINAR

Adapted Risk Assessment for Safety Certification of...

August 21, 2024
12:00 PM – 1:00 PM

Presenter(s): *Laurence Mutuel, Ph.D.* ***Host:*** *DSIAC*

As the safety functional authority for fielding materiel solutions, the U.S. Army Aviation and Missile Command's Safety Office uses risk management to certify that materiel is safe when used as intended. While risk assessment processes tolerate software acquisition modernization and the introduction of new technologies, the techniques and criteria need adaptation. Software systems' evolution in development methodologies and acquisition... **READ MORE**

U.S. Navy

HIGHLIGHT

Navy Demonstrates "Game-Changing" System to Rearm Warships at Sea

Naval Surface Warfare Center, Port Hueneme Division (NSWC PHD) successfully conducted the first land-based demonstration of the Transferrable Rearming Mechanism (TRAM), which will enable U.S. Navy surface combatants to reload missile canisters into their MK 41 Vertical Launching Systems (VLS) at sea.

LEARN MORE

EVENTS

FY24 JAS Program Review
September 24–26, 2024
Atlanta, GA

2024 Aircraft Survivability Symposium
November 5–7, 2024
Monterey, CA

2024 U.S. Department of Defense Steels Summit
November 19–20, 2024
West Bethesda, MD

Fundamentals of Random Vibration and Shock Testing Training (Element Materials Technology – Tempe, AZ)
December 3–5, 2024
Tempe, AZ

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

VOICE FROM THE COMMUNITY

Brian Lindamood
Director of Business Development and Strategy, BAE Systems' Ordnance Systems, Inc. (OSI)

Brian Lindamood joined BAE Systems after a 30-year career in the U.S. Army. His Army assignments included commanding an ammunition plant and working as an industrial base planner. In his current position, he has been an integral part of OSI's successes at Holston and Radford Army Ammunition Plants. His background includes strategy development, ammunition and energetics manufacturing, facility modernization, and facility sustainment.

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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).

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RECENT DSIAC TIs

- What information exists on aerial-based datasets of maritime vessels for training deep-learning artificial intelligence models to perform various tasks?
- What work has been done on using active illumination to image through blast events?
- Can information be provided to explain beamforming techniques used for active, electronically scanned array radar/beam form/beam steer?

RECENT CSIAC & HDIAC TIs

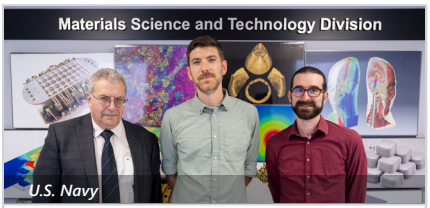
- How are cybertools and cybertechnologies used in differentiating between automated reconnaissance and enumeration events and hands-on-keyboard events?
- What information exists on explosive dissemination of biological agents?
- What are current and projected applications of synthetic biology for U.S. Army protection, detection, and decontamination against chemical, biological, and radiological threats?

FEATURED NEWS

LLNL Delivers Compact Dual-Band Telescope for Launch This Summer

Lawrence Livermore National Laboratory's (LLNL) space hardware team has delivered a payload for NASA's Pathfinder Technology Demonstrator-R (PTD-R) satellite. LLNL developed the optical payload, called... **READ MORE**

RECENT NEWS

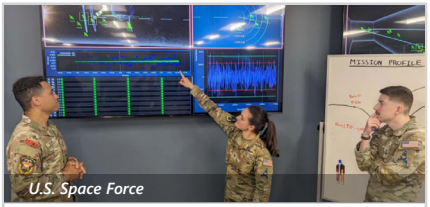


NRL Scientists Identify New Class of Semiconductor Nanocrystals

U.S. Naval Research Laboratory

AFRL Collaborative Automation for Manufacturing Systems Laboratory Officially Opens

Air Force Research Laboratory



98th Space Range Squadron Takes Warfighter Readiness to Next Level

U.S. Space Force

U.S. Navy Conducts Successful Live-Fire Demonstration at RIMPAC 2024

Naval Sea Systems Command

DARPA GRYPHON

Everyday Life Improved by Light: GRYPHON's Photonic Discoveries

Defense Advanced Research Projects Agency

We Have Ignition

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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