HOMELAND
Defense & Security Digest

STATE-OF-THE-ART REPORT (SOAR)

HDIAC is pleased to announce publication of our latest SOAR "Agricultural Security: Impacts on Military Readiness and National Security."

ABSTRACT: The food and agriculture (FA) sector is designated as one of the 16 critical infrastructures that contribute to U.S. economic stability and security. Vulnerabilities in the FA sector pose a threat to food security,... **READ MORE**

DID YOU MISS OUR LAST WEBINAR?

"Printing Destruction: AM, WMD, and the Emerging Challenges to Security"

CAC holders can view the CUI slides via DoDTechipedia

NOTABLE TECHNICAL INQUIRY

NEWLY PUBLISHED: What firearms training software/hardware is currently available to train federal or DoD employees?

Providing U.S. government training staff with powerful tools to efficiently analyze interpretable data and synthesize training solutions could be a bonus for firearm training programs across the nation. The Homeland Defense and Security Information Analysis Center investigated what... **READ MORE**

UPCOMING WEBINAR

NASA

Radiation Biodosimetry: Where We Are and Where We Need to Go
October 19, 2023
12:00 PM – 1:00 PM

Presenter: Adayabalam Balajee, Ph.D.   *Host: HDIAC*

In the case of radiological/nuclear (R/N) mass casualty incidents, several thousands of humans may be exposed to ionizing radiation. Timely assessment of radiation dose is critical for making an appropriate "lifesaving" clinical decision for those with acute high-radiation dose exposures. **READ MORE**

FUTURE WEBINARS

U.S. Nuclear Forces and the Nuclear Posture Review
November 2, 2023
12:00 PM – 1:00 PM

From Lab to the Literal Field: Custom-Fit, 3-D-Printed...
December 14, 2023
12:00 PM – 1:00 PM

U.S. Army

HIGHLIGHT

The 26th Countering WMD Journal

The U.S. Army Nuclear and Countering Weapons of Mass Destruction (WMD) Agency has released the 26th issue of the *Countering WMD Journal*.

The *Countering WMD Journal* is published semiannually by the U.S. Army Nuclear and Countering WMD Agency. It furthers the education and professional development of military leaders and members of government and academia concerned with nuclear and countering WMD matters. **LEARN MORE**

EVENTS

2023 Southeast Energy Summit
October 25–27, 2023
Atlanta, GA

CBRNe Convergence 2023
November 7–9, 2023
Knoxville, TN

Materials in Nuclear Energy Systems (MiNES 2023)
December 10–14, 2023
New Orleans, LA

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

VOICE FROM THE COMMUNITY

Evan Durnal
Assistant Director – Integrated Defense

Mr. Durnal is the Assistant Director at Integrated Defense, where he and his team of engineers and scientists at MRIGlobal help develop sensors, design and integrate software, operate and maintain field-forward laboratories, and perform testing and evaluation of chemical biological, radiological, nuclear, and explosives (CBRNE) detection, collection, decontamination, and personal protection equipment. As the founder of CBRNE Tech Index, he provides industry and government critical metrics to counter threats associated with narcotics, toxic industrial materials and chemicals, and chemical warfare and select agents.

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)!

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ABOUT TECHNICAL INQUIRIES (TIs)

WHAT IS THE TI RESEARCH SERVICE?

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WHO CAN SUBMIT A TI?

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- Military personnel
- Contractors working on a government or military contract

WHY UTILIZE THE TI RESEARCH SERVICE?

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FOR MORE: FOLLOW US ON SOCIAL!

U.S. Coast Gaurd

RECENT HDIAC TIs

- Can you locate SMEs in personnel recovery and search and rescue to support discussions and research?

- Who are the leading countries, universities, and researchers for resilient and efficient power management in Asia?

- Can you provide C-IED SMEs to assist in identifying changes in IED research and development?

RECENT CSIAC & DSIAC TIs

- How can you identify the underlying framework used in AI/ML models and extract the binary?

- What are some examples of mission- and campaign-level simulations of cyber warfare?

- What is the process to submit engine data sheets to JANNAF's Liquid Rocket Engine Database?

FEATURED NEWS

Pentagon Tackling Nuclear Modernization With Proactive, Integrated Approach

The U.S. Department of Defense (DoD) is instituting a forward-leaning, whole-of-department approach in accomplishing its top priority of maintaining the world's foremost nuclear deterrence cability, a top Pentagon... **READ MORE**

RECENT NEWS

MHS GENESIS Leader Talks Sustainment Following Deployment

Military Health System
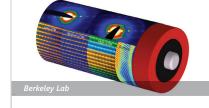
Researchers Successfully Test Heat-Powered System

Sandia National Laboratories

Popular AFRL Invention Supports Joint Military Needs With Mobile Medical Documentation

U.S. Air Force Research Laboratory

Battery Health Sentry - Enhancing Lithium-Ion Battery Safety

Office of Technology Transition, Department of Energy
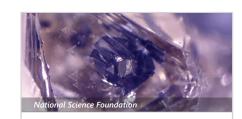
Army Explosive Ordnance Disposal Company Supports New Bomb Suit Helmet Program

U.S. Army

Understanding the Plasticity of Diamond for Improved Fusion Ignition

Lawrence Livermore National Laboratory

Alternative Energy

Biometrics

CBRNE Defense

Critical Infrastructure Protection

Cultural Studies

Homeland Defense & Security

Medical

Weapons of Mass Destruction