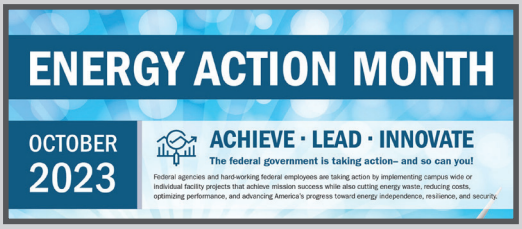
HOMELAND
Defense & Security Digest

The Latest From the Homeland Defense & Security Information Analysis Center // October 17, 2023



NATIONAL CLEAN ENERGY ACTION MONTH

October commences National Clean Energy Action Month, a celebratory time in which the federal government is "Taking Action" by providing leadership in energy management and federal facility optimization, energy resilience and security, and the use of distributed energy and energy procurement.

The Federal Energy Management Program (FEMP) guides federal agencies to leverage FEMP resources... **READ MORE**

DID YOU MISS OUR LAST WEBINAR?

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

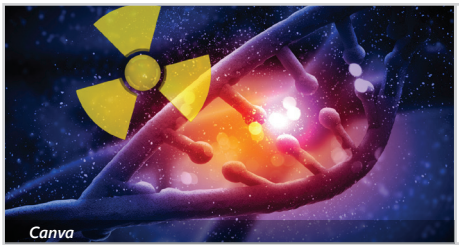
CAC holders can view the CUI slides via DoDTechipedia

NOTABLE TECHNICAL INQUIRY

Can you research and provide publicly releasable microreactor power information geared toward supporting U.S. military efforts that have dual-use capabilities?

Microreactor technology has the potential to provide benefits to the military in both domestic and overseas operations. In response to a technical inquiry received by the Homeland Defense and Security Information Analysis Center, several microreactor programs were explored. This includes... **READ MORE**

UPCOMING WEBINAR



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. DoD

HIGHLIGHT

DoD Announces Release of 2023 Strategy for Countering Weapons of Mass Destruction

The U.S. Department of Defense (DoD) released the unclassified version of its 2023 Strategy for Countering Weapons of Mass Destruction (CWMD).

The 2023 DoD CWMD Strategy seeks to account for current and emerging WMD challenges and threats and provide tailored methods to... **LEARN MORE**

EVENTS

10th Annual EOD/IED & Countermine Symposium
October 25–26, 2023
National Harbor, MD

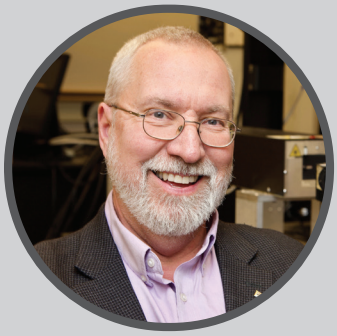
2023 Southeast Energy Summit
October 25–27, 2023
Atlanta, GA

2023 Expeditionary Warfare Seminar
November 1–2, 2023
Arlington, VA

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

Glenn Boreman
Professor and Chair, Dept. of Physics & Optical Science, University of North Carolina (UNC) at Charlotte

Glenn Boreman is a professor and Chair of the Department of Physics & Optical Science at UNC at Charlotte, where his research interests include infrared (IR) and electro-optical systems, IR antennas, and image-quality assessments. He was previously on the faculty at the University of Central Florida and has supervised 27 Ph.D. students to completion. Prof. Boreman is a Fellow of SPIE, OSA, IEEE, and the Military Sensing Symposium.

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?

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

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?

- Get a head start on your technical questions or studies
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- Reduce redundancy of efforts across the government

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

FOR MORE: FOLLOW US ON SOCIAL!

U.S. Army

RECENT HDIAC TIs

- What research has been conducted on decontaminating/sanitizing military equipment to ensure it is free from biohazards before shipping outside the continental United States?
- Is there any research on the behavioral and mental health issues unique to National Guard forces?
- Who are U.S. Department of Defense (DoD) experts in platforms using genome editing tools to diagnose disease?

RECENT CSIAC & DSIAC TIs

- Can you provide information about a hybrid AI method that combines physics and human recognition logic to improve AI for SLAM detection, recognition, classification, and tracking?
- What information is available on investigating shock transmission through dissimilar metal interfaces (e.g., impact or explosive welding)?
- What are the test standards for conducting armor penetration testing of shaped charge warheads into rolled homogeneous steel blocks?

FEATURED NEWS

Keeping Score—New Tool Helps Communities Plan for and Mitigate Disasters

The Plan Integration for Resilience Scorecard (PIRS™), recently launched by S&T's Coastal Resilience Center, helps local governments plan for hurricane season—and beyond. **READ MORE**

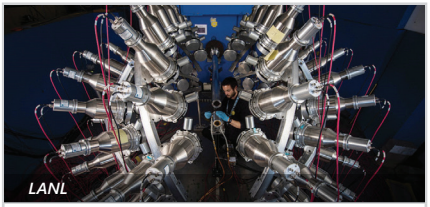
RECENT NEWS

NIST Researchers Develop Standards to Help Eliminate "Forever Chemicals" in...

NIST

Oak Ridge National Laboratory to Lead New Center to Create Sustainable Chemical...

ORNL



Chi-Nu Experiment Concludes With Data to Support Nuclear Security, Energy Reactors

Los Alamos National Laboratory

Berkeley Lab Launches Research Projects to Support National Biopreparedness and...

Berkeley Lab

Army Expands Mental Health Support by Implementing the Brandon Act

U.S. Army

Fast-Track Strain Engineering for Speedy Biomanufacturing

Berkeley Lab

Alternative Energy
Biometrics
CBRNE Defense
Critical Infrastructure Protection
Cultural Studies
Homeland Defense & Security
Medical
Weapons of Mass Destruction

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HDIAC Homeland Defense & Security Information Analysis Center