

HOMELAND

Defense & Security Digest

The Latest From the Homeland Defense & Security Information Analysis Center // November 12, 2024

CALL FOR SPECIAL OPERATIONS PAPERS ACADEMIC YEAR 2025

As the United States refines its national strategy, resourcing levels, and global focus to address the contemporary threat environment, special operations has never been more vital.

In response, the U.S. Special Operations Command is relooking and reimagining its role in multiple operations.

Recognizing the critical need for advanced discourse and creative idea generation, Joint Special Operations University is pleased to announce its Academic Year 2025 Call for Special Operations Papers.

[Click here to learn more:](#)

<https://www.jsou.edu/press/callforpapers>

DID YOU MISS OUR LAST WEBINAR?

“Human Movement and Rhythmical Reasoning: An Unconventional...”

[WATCH NOW!](#)

[or download the slides](#)

NOTABLE TECHNICAL INQUIRY

REPORT RELEASED: How can the "memory effect" of an incinerator's pollution abatement system be removed after it becomes contaminated with dioxins and furans?

The Homeland Defense and Security Information Analysis Center (HDIAC) was asked to provide information on the removal of the memory effect from an incinerator's pollution abatement system after it becomes contaminated with dioxins and furans. The overarching objective is to eliminate... [READ MORE](#)

UPCOMING WEBINAR



Don't Forget to Inform the Public: Why Messaging Matters

November 20, 2024
12:00 PM – 1:00 PM

Presenter(s): John Clements

Host: HDIAC

Throughout the course of various crises, communication from government agencies and key stakeholders is critical. Unfortunately, this communication has been upended many times in a variety of ways. To alleviate public fear, some organizations have fallen into the trap of downplaying the... [READ MORE](#)

FUTURE WEBINARS

Security Implications for the United States From Iranian...

December 12, 2024
12:00 PM – 1:00 PM



DIA

HIGHLIGHT

DIA Releases Nuclear Challenges Intelligence Overview

JOINT BASE ANACOSTIA-BOLLING – The Defense Intelligence Agency (DIA) has released a new publication describing the current nuclear capabilities of foreign adversaries.

The report, "Nuclear Challenges: The Growing Capabilities of Strategic Competitors and Regional Rivals," is the second edition in DIA's... [LEARN MORE](#)

EVENTS

The 2024 Chemical and Biological Defense Science & Technology Conference

December 2–5, 2024
Fort Lauderdale, FL

2024 Resilience Week

December 3–5, 2024
Austin, TX

1st Annual EOD Technology & Bombing Prevention Summit

December 3–5, 2024
National Harbor, MD

DoD Energy and Environment Innovation Symposium

December 3–6, 2024
Washington, DC

Eastern Defense Summit 2024

December 11–12, 2024
Charleston, SC

13th Annual SOF & Irregular Warfare Symposium

December 11–12, 2024
Tampa, FL

Want your event listed here?

Email contact@hdiac.org to share your event.



VOICE FROM THE COMMUNITY

Javier Pazos, Ph.D.

President, Heroica Technologies

Dr. Pazos has developed state-of-the-art computational electromagnetics (CEM) tools for the past 15 years. As President of Heroica Technologies, he leads the research and development of next-generation photonics and optical devices, leveraging the latest developments in CEM and additive manufacturing. Target applications include miniaturized devices for imaging, sensing, computing, and energy. Dr. Pazos previously served as the CEM lead for SpaceX and as a CEM engineer for Intel Corporation and Electro Magnetic Applications, Inc.

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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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MATTER EXPERT**

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

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To submit a TI, go to <https://hdiac.dtic.mil/technical-inquiries>

FOR MORE: FOLLOW US ON SOCIAL



RECENT HDIAC TIs

- Is there a way to detect and track chemical, biological, radiological, and nuclear contamination in a littoral/riverine environment?
- What novel bioinspired textiles are being researched and developed for cold environment operations?
- What COTS instruments are available for near real-time detection of chemical warfare agents?

RECENT CSIAC & DSIAC TIs

- Can a "splunk report" be used to identify which users access a website to target specific groups of upcoming changes, and how can it be obtained?
- What information is available on programmable, air-bursting, 30-mm and 40-mm grenades?
- What nonlethal and intermediate force capabilities can be integrated into unmanned aerial vehicles and demonstrated by the first quarter of 2025?

FEATURED NEWS

DARPA Invites Proposals for AI Biotechnology Pitch Days Dec. 5-6

DARPA funds the research and development of technologies with the potential for transformational impact, central to delivering on the agency's mission to create and prevent strategic surprise for national security. The agency's Biological Technologies Office focuses on the... [READ MORE](#)


RECENT NEWS



U.S. Army

ERDC Partners With U.S. Department of State to Develop Innovative Window Solutions

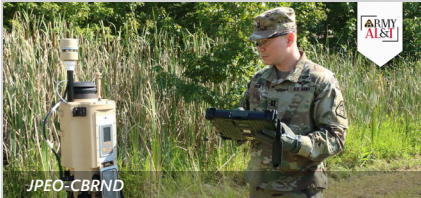

U.S. Army



3rd Infantry Division

CBRN DRS Nears FOC - It's Not Easy as 1,2,3

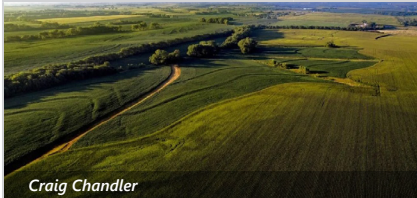

JPEO-CBRND



JPEO-CBRND

On Your Mark, Get Set, Detect!


U.S. Army



Craig Chandler

New Project Will Explore, Secure Ag-IoT Technology

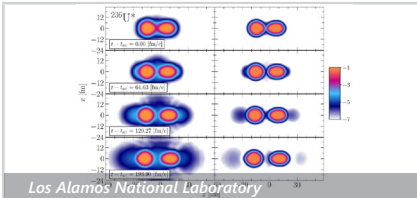
University of Nebraska-Lincoln



U.S. Department of Energy

Westinghouse Completes Study for First eVinci Microreactor Experiment


U.S. Department of Energy



Los Alamos National Laboratory

Researchers Use Summit to Track Down Nuclear Fission's Elusive Scission Neutron

Oak Ridge National Laboratory



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

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