

HOMELAND

Defense & Security Digest

The Latest From the Homeland Defense & Security Information Analysis Center // October 8, 2024

CYBERSECURITY AWARENESS MONTH

Cybersecurity is crucial to protecting our nation's information infrastructure. October is dedicated to increasing public awareness of the importance of cybersecurity and its role in preventing and eliminating threats to our communities and U.S. national security systems.

Our sister IAC, the Cybersecurity & Information Systems Information Analysis Center (CSIAC), brings you the most current resources to help maximize knowledge and stay cyber safe.

Visit CSIAC here: <https://csiac.org/>.

DID YOU MISS OUR LAST WEBINAR?

"Human Movement and Rhythmical Reasoning: An Unconventional..."

[WATCH NOW!](#)

[or download the slides](#)

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 three government programs: (1) Project Pele, sponsored by the U.S. Department of Defense, (2) the Microreactor Applications Research Validation and... [READ MORE](#)

UPCOMING WEBINAR



Security Implications for the United States From Iranian and Hezbollah Activities in...

December 12, 2024
12:00 PM – 1:00 PM

Presenter(s): Evan Ellis, Ph.D.

Host: HDIAC

This presentation will examine engagement with Latin America by Iran, its government agents, and surrogate groups such as Hezbollah, including terrorist finance, terrorism, and other activities and their evolution in recent years. It will address the interaction of that presence with the risk of escalating the conflict in the Middle East and weak or anti-U.S. governments in the region who deliberately or unwittingly serve as hosts of actions oriented... [READ MORE](#)



U.S. Department of Energy

HIGHLIGHT

U.S. Department of Defense (DoD) Breaks Ground on Project Pele Microreactor

The DoD broke ground on the Project Pele transportable microreactor project at Idaho National Laboratory (INL).

The demonstration project is being led by the DoD's Strategic Capabilities Office and could be one of the first advanced reactors to operate in the United States as early as 2026. [LEARN MORE](#)

EVENTS

TechNet Indo-Pacific
October 22–24, 2024
Honolulu, HI

GridSecCon 2024
October 22–25, 2024
Minneapolis, MN

2024 Defense Logistics & Support Conference
October 29–30, 2024
Arlington, VA

Microgrids & Energy Resilience Summit
October 30–31, 2024
National Harbor, MD

Homeland Security Cybersecurity and Infrastructure Conference
November 6–7, 2024
Atlanta, GA

11th Annual EOD/IED & Countermines Symposium
November 6–7, 2024
National Harbor, MD

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



VOICE FROM THE COMMUNITY

Tyler Van Hook
Chief Strategy Officer, Kognitiv Edge

Tyler Van Hook, Chief Strategy Officer at Kognitiv Edge, leads digital transformation efforts within training and education, where he focuses on innovative solutions that enhance the efficiency and effectiveness of the processes, leveraging technology to ensure top-tier performance and readiness. He works with technologists, data scientists, and psychologists to develop solutions for the defense sector regarding human capital.

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).

Join our team today.

BECOME A SUBJECT MATTER EXPERT

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?

- U.S. government (federal, state, or local)
- 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
- Discover hard-to-find information
- Find and connect with other subject matter experts in the field
- Reduce redundancy of efforts across the government

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

FOR MORE: FOLLOW US ON SOCIAL



RECENT HDIAC TIs

- What are current and projected U.S. Department of Defense regulations for storing and distributing alternative fuels?
- What is the medical impact of long-term exposure to shooting mortars, artillery, and tanks?
- Is there a group coordinating the elimination of per- and polyfluorinated substances, also known as the "forever chemicals," in U.S. Department of Defense materiel?

RECENT CSIAC & DSIAC TIs

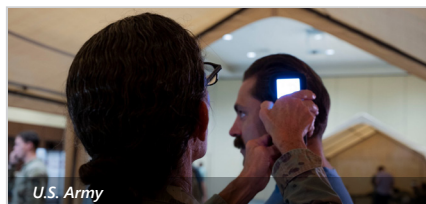
- How are cybertools and cybertechnologies used in differentiating between automated reconnaissance and enumeration events and hands-on-keyboard events?
- What are the state-of-the-art use cases for augmented/virtual/extended reality in aviation maintenance?
- Can information be provided to explain beamforming techniques used for active, electronically scanned array radar/beam form/beam steer?

FEATURED NEWS

DoD Hosts International Exchange on Shaping Cybersecurity Workforce

A senior Defense Department official hosted government officials, academics, and entrepreneurs from Indonesia for a discussion on how the Pentagon is aligning its cyber workforce strategy to meet the demands... [READ MORE](#)

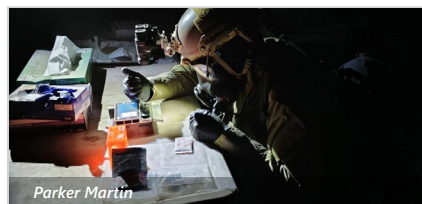
RECENT NEWS



U.S. Army

Brain Injury Devices in Focus During Fort Liberty Soldier Touchpoint

U.S. Army



Parker Martin

Identifying Pathogens in the Field With F-FAST

U.S. Army



JPEO-CBRND

Collaboration Leads to Capability: Enhanced Maritime Biological Detection System...

JPEO-CBRND



PPPL

Producing "Green Ammonia" Using Plasma Will Be the Focus of a New Princeton-PPPL Project

Princeton Plasma Physics Laboratory



Canva

NREL Research Points Path to Higher Blends of Biodiesel

National Renewable Energy Laboratory



Paul Lagasse

Researcher Uses Historical Data to Identify Trends in Pilot Injuries

U.S. Army



Alternative Energy



Biometrics



CBRNE Defense



Critical Infrastructure Protection



Cultural Studies



Homeland Defense & Security



Medical



Weapons of Mass Destruction

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4695 Millennium Drive, Belcamp, MD 21017
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