

HOMELAND

Defense & Security Digest

The Latest From the Homeland Defense & Security Information Analysis Center // December 10, 2024

CALL FOR PRESENTATION ABSTRACTS

HDIAC is proud to host the 2025 Public Health in a Migrant Crisis Tabletop Exercise during the week of May 5, 2025. This year's exercise will focus on operations in camps designed for refugees, internally displaced persons, and other people in need of international protection. We are seeking presentations on new and novel research which can positively impact management of public health in such a scenario.

HDIAC will accept abstracts for presentations through February 28, 2025. Submitters will receive an answer no later than March 10, 2025.

Click here for more information:

<https://hdiac.dtic.mil/call-for-abstracts/>.

DID YOU MISS OUR LAST WEBINAR?

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

[WATCH NOW!](#)

[or download the slides](#)

NOTABLE TECHNICAL INQUIRY

Who is conducting research and development on small, wind energy generation?

The Homeland Defense and Security Information Analysis Center was asked to provide information on recent and ongoing efforts to field small-scale wind-power designs generating ≤ 100 kW to serve standalone electrical loads not connected to a utility distribution system or local microgrid. Sources include work from U.S. Department of Defense entities, academic scholars, and industrial/commercial products or research. [READ MORE](#)

UPCOMING WEBINAR



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

December 17, 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](#)

Distribution Statement A: Approved for public release; distribution is unlimited.

VOLUME 8 | NUMBER 2 | 2024

HD IAC JOURNAL

BREAKTHROUGHS IN WEARABLE MOLECULAR MONITORING

PAGE 13

The New CBRN Paradigm: Accelerating Development on Both Sides
PAGE 04

Modern Renewable Resources for Alternative Energy Generation
PAGE 21

DIA



VOICE FROM THE COMMUNITY

Ian Murphy
China Subject Matter Expert

Ian Murphy is a China subject matter expert at Securifense Inc., where he leverages his research, analysis, and strategic planning skills to contribute to meaningful publications in security, economics, and international trade. He has a background in national security and international business. His areas of expertise include Indo-Pacific security, China-Taiwan politics and economy, and U.S. foreign policy. He served as a research assistant for the Chung-Hua Institute for Economic Research, giving him first-hand experience analyzing Taiwan and China's economic and security relationship.

HIGHLIGHT

HDIAC Journal Release

HDIAC is excited to announce the release of our latest HDIAC Journal. This journal features exclusive articles on:

- Breakthroughs in wearable molecular monitoring
- Modern renewable resources for alternative energy generation
- Enhancing Army combat effectiveness and survivability... [LEARN MORE](#)

EVENTS

Eastern Defense Summit 2024

December 11–12, 2024
Charleston, SC

13th Annual SOF & Irregular Warfare Symposium

December 11–12, 2024
Tampa, FL

Homeland Security Cybersecurity and Infrastructure Conference

February 26–27, 2025
Atlanta, GA

The 19th IEEE International Conference on Automatic Face and Gesture Recognition

May 26–30, 2025
Clearwater, FL

Want your event listed here?

Email contact@hdiac.org to share your event.

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.dtic.mil/technical-inquiries>

FOR MORE: FOLLOW US ON SOCIAL



RECENT HDIAC TIs

- Is there an annotated bibliography on atmospheric dust globally, and who are the relevant subject matter experts?
- What novel bioinspired textiles are being researched and developed for cold environment operations?
- Who are the power beaming subject matter experts within the U.S. Department of Defense community?

RECENT CSIAC & DSIAC TIs

- What comparative assessments exist for AWARS, COMBAT XXI, and logistics battle command simulations?
- What commercial- or government-off-the-shelf technologies exist that can be placed at the start or end of a gun range to determine where rounds will land or detect and pinpoint their locations?
- Can a literature search for jet propellant-5 (JP-5) technical manuals be provided?

FEATURED NEWS

CDMRP Funds Innovative Research to Better Understand and Treat Brain Injuries

Over 500,000 service members experienced a traumatic brain injury (TBI) between 2000 and 2023, and more than 185,000 veterans receiving care in the Veterans Affairs health care system have at least one TBI... [READ MORE](#)

RECENT NEWS



U.S. Air Force

Airman Brings Fuel Sampling Innovation to Eglin, Possibly AF

U.S. Air Force Research Laboratory



Matthew Szarzanowicz

New Plant Engineering Method Promises to Dramatically Improve Biofuel and...

Lawrence Berkeley National Laboratory



USACE

ERDC Researchers Design, Test New Mobile Treatment for Relief Wells

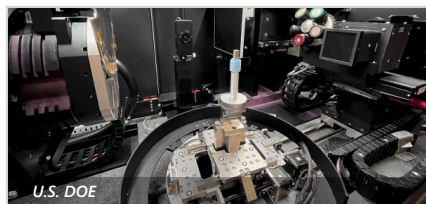
U.S. Army Corps of Engineers



U.S. Space Force

CHAPPIE: An Innovative Advancement in CBRN Defense

U.S. Air Force Research Laboratory



U.S. DOE

New National Lab Algorithm Enables Faster, Safer Inspection of Nuclear Materials

U.S. Department of Energy



iStock

Preparing Our Ports for the Future of Alternative Maritime Fuels

U.S. Department of Homeland Security



Alternative Energy



Biometrics



CBRNE Defense



Critical Infrastructure Protection



Cultural Studies



Homeland Defense & Security



Medical



Weapons of Mass Destruction

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