

HOMELAND

Defense & Security Digest

The Latest From the Homeland Defense & Security Information Analysis Center // March 18, 2025

2025 PUBLIC HEALTH IN A DISPLACED PERSONS CAMP

The HDIAC 2025 Public Health in a Displaced Persons Camp tabletop exercise will be held May 5 - 8, 2025. This is a collaborative, discussion-based training course based on real-world scenarios. Attendees will gain an understanding of the relevant communities and practices in a mass-migration situation. Attendance is best suited for medical professionals, public health officials, disaster planners, emergency managers, and personnel from nongovernment organizations who support disaster relief.

There is no fee to register; however, space is limited.

Click here for more information:

<https://hdiac.dtic.mil/events/public-health-ttx-2025/>.

DID YOU MISS OUR LAST WEBINAR?

“Ignition and the Path Toward an Inertial Fusion Energy Future”

 **WATCH NOW!**

[or download the slides](#)

NOTABLE TECHNICAL INQUIRY

Is there an annotated bibliography on atmospheric dust globally, and who are the relevant subject matter experts?

The Homeland Defense and Security Information Analysis Center was asked to provide information on quantifiable or potential impacts that atmospheric dust particulates have on climate. The primary focus is on atmospheric dust that centers around the northern Africa region and the regions of the Atlantic Ocean nearby; however, any global information is of interest. This report contains findings for which organizations have detection and cataloging... [READ MORE](#)

UPCOMING WEBINAR



Leveraging OSINT to Mitigate FOCI Risks and Prevent Dual-Use Technology Diversion

March 18, 2025
12:00 PM – 1:00 PM

Presenter(s): Sam Powers

Host: HDIAC

This in-depth webinar will explore how open-source intelligence (OSINT) can play a critical role in identifying and mitigating risks related to foreign ownership, control, or influence (FOCI) and preventing the diversion of dual-use technology. As regulatory pressures and national security concerns grow, organizations must adopt innovative approaches to ensure that sensitive technologies do not fall into adversarial hands. [READ MORE](#)



U.S. Navy

HIGHLIGHT

Using Dynamic MRI to Advance Traumatic Brain Injury Research

According to the CDC, approximately 5.3 million people in the United States live with a traumatic brain injury (TBI)-related disability. TBIs often result from a violent jolt or impact to the head, commonly caused by vehicle accidents, falls, sports injuries, and combat trauma. These injuries can lead to long-term complications, neurological damage, or even death. [LEARN MORE](#)

EVENTS

Military Health System Conference
April 28–May 2, 2025
Cleveland, OH

2025 Public Health in a Displaced Persons Camp
May 5–8, 2025
Dumfries, VA

The 19th IEEE International Conference on Automatic Face and Gesture Recognition
May 26–30, 2025
Clearwater, FL

Energy Exchange
August 5–7, 2025
Anaheim, CA

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



VOICE FROM THE COMMUNITY

Sam Powers
VP, Public Sector, Kharon

Sam Powers manages public sector business development at Kharon by maintaining relationships and adopting Kharon technology across government worldwide. He is a published expert in open-source intelligence and an affiliate of the New York Universities Initiative for the Study of Emerging Threats. He previously worked as an analyst focused on the use of social media by criminal organizations and terrorist groups.

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

- What feedback is available regarding the use of airborne seed-dispersion methods in support of large-scale tree planting for reforestation?
- What subject matter experts are available to discuss post-incident procedures for a radiological event aboard a naval vessel?
- Who are the U.S. manufacturers of commercial-off-the-shelf bioreactors?

RECENT CSIAC & DSIAC TIs

- Are reinforcement learning techniques available for a next-generation threat system?
- Are long-wave infrared video/data available for airborne assets from the ground?
- What high-temperature elastomer liner materials are available that can endure ablative environments?

FEATURED NEWS

How Tripler Army Medical Center's Is Meeting the Needs of Today's Combat Medic

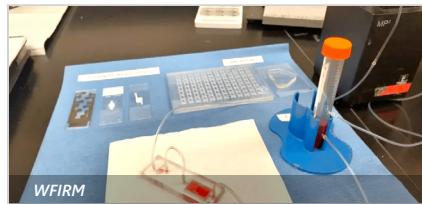
TRIPLER ARMY MEDICAL CENTER, Hawaii – Tripler Army Medical Center is leading the way in training combat medics, enhancing their skills and improving their ability to provide prologoned casualty care... [READ MORE](#)

RECENT NEWS



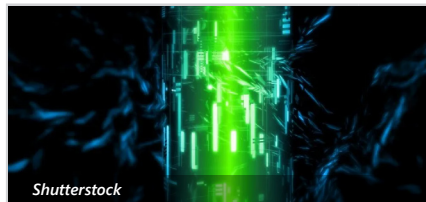
Stryking a Path Forward With Sensor Suite Upgrades: Modernizing the Stryker NBCR

JPEO-CBRND



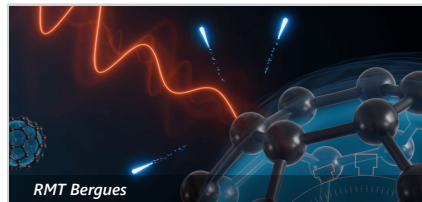
Organ-on-a-Chip: 3-D Printed Tissue Allows Researchers to Study Effects of Toxic Vapors

U.S. Department of Homeland Security



Army Scientists Develop New Battery Treatment Process

U.S. Army



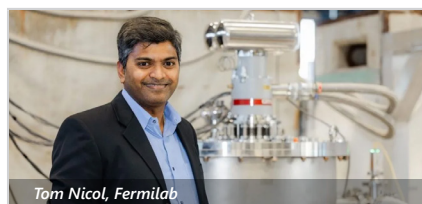
Researchers Record Ultrafast Chorus Dance of Electrons on Super-Small Particle

SLAC National Accelerator Laboratory



Argonne Team Delivers a 100x Speedup of Genetic Data Analysis From the Million Veteran...

Argonne National Laboratory



Fermilab Seeks to Broaden Industry Adoption of Electron Accelerators

Fermilab



Alternative Energy



Biometrics



CBRNE Defense



Critical Infrastructure Protection



Cultural Studies



Homeland Defense & Security



Medical



Weapons of Mass Destruction

The inclusion of hyperlinks does not constitute an endorsement by HDIAC or the U.S. Department of Defense (DoD) of the respective sites nor the information, products, or services contained therein. HDIAC is a Defense Technical Information Center (DTIC)-sponsored Information Analysis Center, with policy oversight provided by the Office of the Under Secretary of Defense for Research and Engineering (OUSD(R&E)). Reference herein to any specific commercial products, processes, or services by trade name, trademark, manufacturer, or otherwise does not necessarily constitute or imply its endorsement, recommendation, or favoring by the U.S. government or HDIAC.

4695 Millennium Drive, Belcamp, MD 21017
443-360-4600 | contact@hdiac.org | hdiac.dtic.mil | [Unsubscribe](#) | [Past Digests](#)

