

# HOMELAND

## Defense & Security Digest

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

## SEPTEMBER IS NATIONAL PREPAREDNESS MONTH

National Preparedness Month is observed every September to increase awareness about the importance of preparing for emergencies and disasters that could strike at any time.

Learn how to determine your risks and steps you can take to protect your family and property before, during, and after an emergency or disaster.

Click here to download the Federal Emergency Management Agency's (FEMA) "Are You Ready?" Guide, which provides detailed information on disaster preparedness for various specific hazards: <https://www.ready.gov/be-informed>.

## DID YOU MISS OUR LAST WEBINAR?

"The Clear and Present Threat of Chem-Bio and Data and Cyberscientific..."

[WATCH NOW!](#)

[or download the slides](#)

## NOTABLE TECHNICAL INQUIRY

**What EPCRA Sections 301-303 plans are publicly available, and what are the homeland security risks to making them public?**

EPCRA Sections 301-303 focus on chemical emergency preparedness and involve state and tribal emergency response commissions and local and tribal emergency planning committees. Emergency plans created under these sections are generally intended to be accessible to the public, with some exceptions for sensitive or classified information. The act's primary goal is to inform the public about hazardous chemicals in their communities and ensure that... [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](#)



Chris Perry

## HIGHLIGHT

### State-of-the-Art Report: Autonomous Platforms for Casualty Evacuation

The United States and its allies face the return of large-scale combat operations (LSCO) against peer and near-peer competitors—an environment not seen in over 70 years. The return of LSCO brings about multiple challenges, including the possibility of managing overwhelming numbers of casualties and providing medical care with limited manpower and supplies. [LEARN MORE](#)

## EVENTS

### Public Health in a Migrant Crisis Tabletop Exercise

October 8–10, 2024

Belcamp, MD (In Person)

### 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

### 11th Annual EOD/IED & Countermine Symposium

November 6–7, 2024

National Harbor, MD

### Want your event listed here?

Email [contact@hdiac.org](mailto:contact@hdiac.org) to share your event.



## VOICE FROM THE COMMUNITY

### Dave Hayden Collins

*Environmental Engineer, Massachusetts  
Institute of Technology (MIT)*

Dave Collins is an environmental engineer at MIT's Department of Nuclear Science and Engineering, where he researches expanding uranium mining and establishes nuclear reactors for electricity generation in Australia. After research in Australia showed that electrical and electronic equipment cleaning practices account for nearly 50% of unsafe respirable particulate exposures at mine sites, he developed a patented compressed air system to safely remove and contain these hazardous particulates. This technology can also be applied to military equipment and research facilities.

## 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)

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### 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

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## RECENT HDIAC TIs

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- What multifunctional robotics platforms are used for first responder applications?
- Is there any empirical data for dry decontamination operational procedures?
- What information is available on conversion efficiencies of chemical warfare agents V to G using silver fluoride conversion pads/tubes?

## RECENT CSIAC & DSIAC TIs

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- What are the use cases of intent-based networking in U.S. Department of Defense tactical networks?
- What test data/information exists on ullage overpressures for fuel tanks greater than 100 gallons?
- Can live-fire-like training for research and development be provided for the engineers working on weapons platforms at U.S. Army Picatinny Arsenal, NJ?

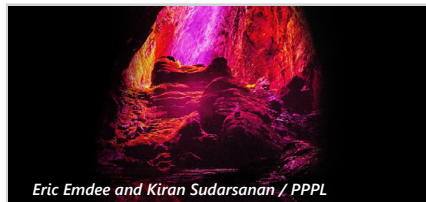


## FEATURED NEWS

### New Tool Will Help Neurosurgeons Perform Delicate Cutting Task

FORT DETRICK, Md. – A new surgical instrument being developed with support from the U.S. Army Medical Research and Development Command was inspired by a tool commonly used by first responders to help free accident victims trapped in their cars. [READ MORE](#)

## RECENT NEWS



Eric Emdee and Kiran Sudarsanan / PPPL

**Quenching the Intense Heat of a Fusion Plasma May Require a Well-Placed Liquid Metal...**

Princeton Plasma Physics Laboratory



Pexels

**Revealing the Mysteries Within Microbial Genomes**

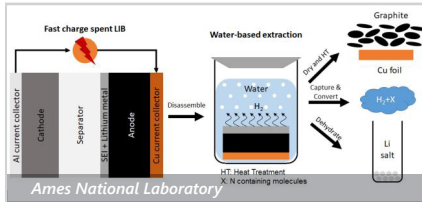
Lawrence Livermore National Laboratory



Craig Fritz

**Sandia Researcher Recognized for Electrification Work With Tribal Communities**

Sandia National Laboratories



Ames National Laboratory

**New Lithium-Ion Battery Recycling Method Is Earth-Friendly and More Economical**

Ames National Laboratory



Andrea Starr | PNNL

**An Electric Grid That Thinks Ahead**

Pacific Northwest National Laboratory



Pexels

**JPEO-CBRND Successfully Fulfills First Year of Annual Procurement Requirement for BioThrax® ...**

JPEO-CBRND



Alternative Energy



Biometrics



CBRNE Defense



Critical Infrastructure Protection



Cultural Studies



Homeland Defense & Security



Medical



Weapons of Mass Destruction

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