

# HOMELAND

## Defense & Security Digest

The Latest From the Homeland Defense & Security Information Analysis Center // January 16, 2024

## 12TH ANNUAL JOINT CIVIL & DOD CBRN SYMPOSIUM

This event will explore the continued efforts of the CBRN community to advance the defense, readiness, and response to current and emerging chemical, biological, radiological, and nuclear (CBRN) threats. The 2024 symposium will aim to advance an innovative joint CBRN community essential to counter and defend the nation from CBRN events.

**WHEN:** March 13–14, 2024

**LOCATION:** National Housing Center, Washington, DC

To learn more and to register, visit:

<https://hdiac.org/events/12th-annual-joint-civil-dod-cbrn-symposium/>

## DID YOU MISS OUR LAST WEBINAR?

“Radiation Biodosimetry: Where We Are and Where We Need to Go”

 **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... [READ MORE](#)

## UPCOMING WEBINAR



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

February 15, 2024  
12:00 PM – 1:00 PM

**Presenter(s):** *Dr. James Giordano, Ph.D., MPHIL*

**Host:** HDIAC

Given the current global shift toward symmetrical warfare, major powers and nonstate proxies are developing radical leveling and emerging technology for use as “deterrence leveraging” in nonkinetic and kinetic engagements. Although regnant treaties and conventions are postured to govern chemical and biological weapons, novel advances in genetics, synthetic biology, and neuroscience can enable side-stepping such international regulatory constraints when coupled with big data and cyberscientific tools and methods. These advances can also afford rapid scientific and technological progress in ways that pose a clear and present threat to global biosecurity and defense. [READ MORE](#)



## HIGHLIGHT

### U.S. Army Laboratory Leads Way in Clean Energy Infrastructure

Aberdeen Proving Ground, MD – The U.S. Army Combat Capabilities Development Command Chemical Biological Center (DEVCOM CBC) received two solar electric vehicle (EV) chargers on November 17, making it one of the first federal tenants on Aberdeen Proving Ground (APG) with... [LEARN MORE](#)

## EVENTS

### 17th Annual Homeland Security Week

January 23–24, 2024  
Arlington, VA

### U.S. Customs and Border Protection (CBP), Office of Acquisition (OA), Industry Partnership and Outreach...

January 25, 2024  
Washington, DC

### The 12th IEEE Electrical Energy Storage Applications and Technologies (EESAT) Conference

January 29–30, 2024  
San Diego, CA

### 26th Annual Organized Crime Drug Enforcement Task Force (OCDETF)

February 7–9, 2024  
Myrtle Beach, SC

### Critical Infrastructure Protection & Resilience North America

March 12–14, 2024  
Lake Charles, LA

### Want your event listed here?

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



## VOICE FROM THE COMMUNITY

### Dr. Robert Hayes

Associate Professor, North Carolina (NC) State University

Dr. Hayes is an associate professor of nuclear engineering at NC State University, where he focuses on novel shielding technology, radiological air monitoring and retrospective dosimetry for nuclear safety, nonproliferation, emergency response, and radiation protection applications. He is a licensed professional engineer in nuclear engineering, certified health physicist through the American Board of Health Physics, and a fellow of the American Physical and Health Physics Societies. He also serves on the Advisory Council for Nuclear Security for the administrator of the Department of Energy's National Nuclear Security Administration.

## 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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- Is there any radiation (neutron and gamma ray) attenuation test data for Kevlar material?
- What novel bioinspired textiles are being researched and developed for cold environment operations?
- Is there a spray that can identify the presence of explosive residue via colorimetric change?

## RECENT CSIAC & DSIAC TIs

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- What information is available on C-sUAS efforts of NATO allies?
- Are there any reports or databases documenting actual or potential incidents of large commercial, fixed wing UASs while parked on the ground?
- Can you provide information on U.S. Army-managed, portable biometrics data collection systems?

## FEATURED NEWS

### Improving the Financial Resilience of Public Entities and Individuals for Natural Disasters

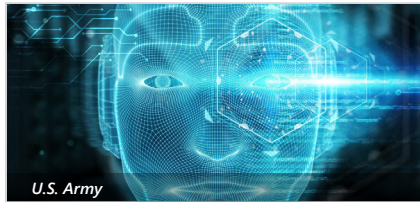
Individuals and state and local governments (public entities) incur losses associated with natural disasters. For individuals, there are costs associated with evacuating, possible periods of unemployment, and costs... [READ MORE](#)

## RECENT NEWS



### USAMRIID Blood Testing Protocol Will Improve Disease Surveillance

U.S. Army Medical Research and Development Center



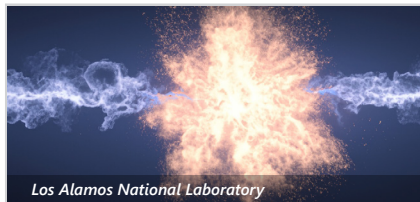
### Leveraging Artificial Intelligence Is Smart for Explosive Detection

The Department of Homeland Security



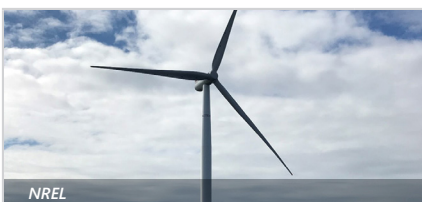
### Navy Medicine Campaign Plan Supports Expeditionary Medicine and Prepares for Future Fight

Navy Medicine



### LLNL-Led Team Receives DOE Award to Establish Inertial Fusion Energy Hub

Lawrence Livermore National Laboratory



### NREL Will Lead Two \$19M Research Centers to Spur Decarbonization Efforts...

National Renewable Energy Laboratory



### Enduring Capability: JPEO-CBRND Evolves Public/Private Partnership With...

JPEO-CBRND



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

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