

HOMELAND

Defense & Security Digest

The Latest From the Homeland Defense & Security Information Analysis Center // May 2, 2023

**UPDATE — STATE-OF-THE-ART REPORT PUBLISHED:
"Resilience by Design: Microgrid Solutions for Installation Energy"**



U.S. Army

NOTABLE TECHNICAL INQUIRY

What technical studies, research, and published work exist concerning the use of containers for transporting and storing hazardous materials?

The Homeland Defense and Security Information Analysis Center (HDIAC) received a technical inquiry (TI) asking what technical studies, research, and published work exists concerning the use of containers for the transport and storage of hazardous materials (chemical, biological, radiological [CBR]). The inquirer stated that in the countering weapons of mass... [READ MORE](#)



ACTIVE TECHNICAL INQUIRY

What information is available for medics to perform in austere environments and conduct disease nonbattle injury prolonged care?

JOURNALS ARE BACK!

After a long absence, the HDIAC journal is returning! We will be accepting abstracts for our first issue soon! This issue will be a general edition covering any of HDIAC's eight focus areas.

For more information, email: journal@hdiac.org



VOICE FROM THE COMMUNITY

Ted Krauthammer

Director, Center for Infrastructure Protection and Physical Security (CIPPS)

Dr. Krauthammer is a civil engineering professor at the University of Florida and director of its Center for Infrastructure Protection and Physical Security. His main research areas include structural behavior under severe dynamic loads and survivability and fragility aspects of facilities subjected to blast, shock impact, and severe vibrations. He has specialized in the nonlinear behavior of structures under impulsive loads and developed numerical simulations and testing techniques for enhancing structural performance, physical security, and safety of buildings, facilities, and systems.

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HIGHLIGHT

HDIAC State-of-the-Art Report (SOAR) Released

The Homeland Defense and Security Information Analysis Center is pleased to announce the release of the SOAR "Resilience by Design: Microgrid Solutions for Installation Energy." [LEARN MORE](#)

FEATURED NEWS

Protective Overcoats Could Improve Vehicle Decontamination

Aberdeen Proving Ground, MD – The U.S. Army Combat Capabilities Development Command Chemical Biological Center (DEVCOM CBC) is exploring the use of protective overcoats on military vehicles to reduce hazards to the Warfighter and reduce the resources needed to decontaminate the vehicles. The aim of the project is to reduce the amount of time it takes to decontaminate military equipment and improve the readiness of Warfighters during their missions. [READ MORE](#)



Image: U.S. Army



LEARN MORE

WEBINARS

Extended Reality Training Development at the Oak Ridge Enhanced Technology and Training Center

Presented: May 18, 2023 12:00 PM – 1:00 PM

Presenter: Ashley Stowe, Ph.D.

Host: HDIAC

The newly opened Oak Ridge Enhanced Technology and Training Center (ORETTTC) leverages 80+ years of Y-12 expertise to train first responders in high-consequence radiological and nuclear material response scenarios. The center leverages cutting-edge technologies, including virtual and augmented reality, virtual production, and haptic feedback devices, to provide immersive experiential scenarios to trainees. [LEARN MORE](#)



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Wearable Biochemical Monitoring? Very Recent Breakthroughs Will Make Performance and Health Monitoring a Near-Term Reality

June 15, 2023 12:00 PM

EVENTS

Facilities and Campus Energy

May 3–4, 2023

National Harbor, MD



Image: U.S. Department of Energy

Aerospace Medical Association Annual Conference

May 21–25, 2023

New Orleans, LA



Image: U.S. Air Force

Mixed-Hazardous Waste Consequence Management Event | Real-Time Tabletop Exercise

June 13-15, 2023

Oak Ridge, TN



Image: HDIAC

Want your event listed here?

Email contact@hdiac.org, to share your event.

DID YOU MISS OUR LAST WEBINAR?

“Vulnerabilities to Food Security: Impacts on Military Readiness and National Security”

 WATCH NOW!

[or download the slides](#)

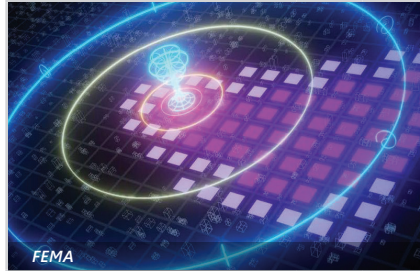
-  Alternative Energy
-  Biometrics
-  CBRN Defense
-  Critical Infrastructure Protection
-  Cultural Studies
-  Homeland Defense & Security
-  Medical
-  Weapons of Mass Destruction

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RECENT NEWS



Nuclear Detonation Response Guidance: Planning for the First 72 Hours

FEMA  




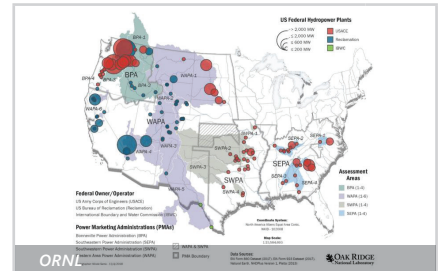
Financial Access Denial: An Irregular Approach to Integrated Deterrence

U.S. Army  




DHS S&T Announces \$45M Funding Opportunity for New Center of Excellence for Homeland Security in the Arctic

DARPA 




Sudershan Gangrade: Analyzing a Flood of Data to Prepare for Climate Change

Oak Ridge National Laboratory 



The Flightpath From a Groundbreaking Catalyst to Jets That Soar on Renewable Fuel From Waste

Pacific Northwest National Laboratory 



Fighting on a New Front: MCAS Miramar Boasts Corps' First Wildland Firefighting Crew

U.S. Marine Corps 