

HOMELAND

Defense & Security Digest

The Latest From the Homeland Defense & Security Information Analysis Center // February 7, 2023



SNEAK PEEK

UPCOMING WEBINAR:

Send Alerts and Save Lives With IPAWS

DATE:

February 23, 2023

TIME:

2:00 PM

PRESENTED BY:

Jody Smith

HOST:

HDIAC

Department of Veterans Affairs

NOTABLE TECHNICAL INQUIRY

What are the specifications and availability of lithium-ion batteries from a North American supply chain?

The Homeland Defense and Security Information Analysis Center (HDIAC) was asked to provide state-of-the-art information on lithium-ion (Li-ion) pouch cell performance for North American manufacturers. The inquirer's primary interests were the current capabilities of various types of batteries while keeping future technologies in mind. Research was conducted on identifying domestic manufacturers and supply chains and their national and... [READ MORE](#)



VOICE FROM THE COMMUNITY

Adil Zuber

S&T Specialist, Defense Threat Reduction Agency (DTRA)

Adil Zuber is a science and technology (S&T) specialist with the Research and Development (R&D) Directorate at DTRA, where he supports R&D requirements for countering weapons of mass destruction. His portfolio includes artificial intelligence/data science and chemical/biological and radiological/nuclear technologies. He has worked on hazardous materials, environmental compliance, microelectronics, workforce development, and continuous process improvement with the Defense Logistics Agency and on a multidisciplinary, collaborative, Defense Advanced Research Projects Agency-funded project (creating an on-demand, point-of-care, biopharmaceutical, manufacturing device).

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HIGHLIGHT

International Atomic Energy Agency (IAEA) Advanced Reactor Information System (ARIS)

The International Atomic Energy Agency (IAEA) maintains an online database, the Advanced Reactors Information System (ARIS), to provide access to the most up-to-date information regarding advanced nuclear reactor design and development trends.

Technical data provided includes general information, nuclear stream supply system, reactor coolant system, reactor core and core materials, and reactor pressure vessel.... [LEARN MORE](#)

FEATURED NEWS

DoD Aims to Shield Warfighters From Novel Biological Agents

The U.S. Department of Defense (DoD) is modernizing its approach for developing medical countermeasures to protect Warfighters from novel biological agents.

This is made clear in a new document, "Approach for Research, Development, and Acquisition of Medical Countermeasures and Test Products," which was recently published by the Office of the Deputy Assistant Secretary of Defense for Chemical and Biological Defense. This office oversees the DoD's Chemical and Biological Defense... [READ MORE](#)



Image: U.S. DoD



IPAWS

LEARN MORE

FEMA

WEBINARS

Send Alerts and Save Lives With IPAWS

Presented: February 23, 2023 2:00 PM – 3:00 PM

Presenter: Jody Smith

Host: HDIAC

This presentation will provide an overview of the Federal Emergency Management Agency’s Integrated Public Alert & Warning System (IPAWS) and how it can be used by government agencies to effectively alert populations. IPAWS is a national system for local, area-specific alerting. It provides authenticated emergency life-saving information to the public through mobile phones using wireless emergency alerts, to... [LEARN MORE](#)



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

March 16, 2023 12:00 PM

EVENTS

Nuclear Deterrence 2023

February 13–15, 2023

Intersolar North America

February 14–16, 2023

Critical Infrastructure Protection and Resilience 2023

March 7–9, 2023

Radiation Emergency Medicine Training Course

March 14–16, 2023

Joint Civil & DoD CBRN Symposium

March 15–16, 2023

Micro Radiation Emergency Medicine (MicroREM)

April 11–13, 2023

Want your event listed here?

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

DID YOU MISS OUR LAST WEBINAR?

“Bombing Prevention Resources for Mitigating the Use of Explosives and IEDs Against Critical Infrastructure”

WATCH NOW!

[or download the slides](#)

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

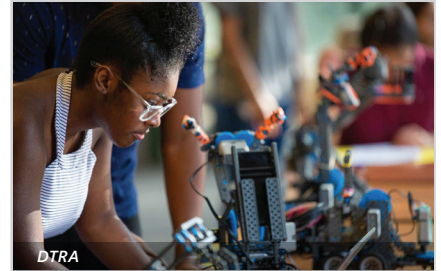
RECENT NEWS



SNL

Sandia Work at the Heart of Next Generation Nuclear Reactor

Sandia National Laboratories



DTRA

DTRA and Penn State IIRM-URA to Host Sea Air and Land Challenge in Spring 2023

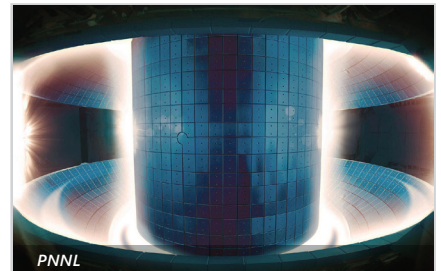
Defense Threat Reduction Agency



USUHS

USU Researchers Use Therapeutic Peptides to Develop Skin Substitutes for Wound Healing

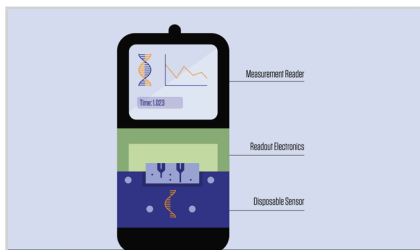
Uniformed Services University of the Health Sciences



PNNL

Metal Alloys to Support Nuclear Fusion Energy

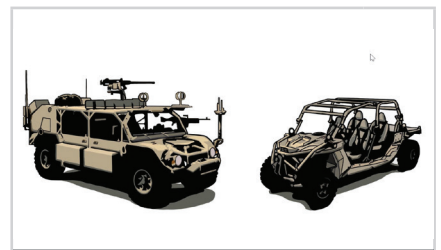
Pacific Northwest National Laboratory



NIST

New DNA Biosensor Could Unlock Powerful, Low-Cost Clinical Diagnostics

National Institute of Standards and Technology



NSWC Crane

NSWC Crane Leverages Indiana Racing Expertise to Develop Military Hybrid-Electric Vehicle

U.S. Navy



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