

HOMELAND

Defense & Security Digest

The Latest From the Homeland Defense & Security Information Analysis Center // September 6, 2022

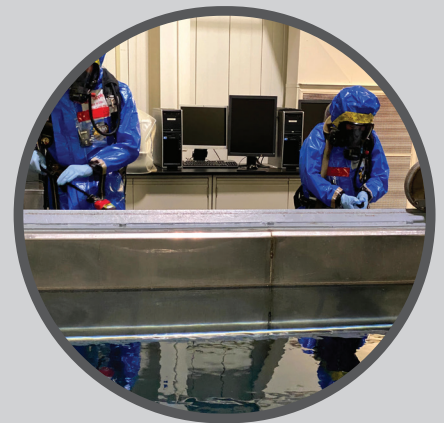


[SUBMIT A TECHNICAL INQUIRY](#)

NOTABLE TECHNICAL INQUIRY

What wearable sensors can detect, collect, and transmit human emotion and sentiments through biomarker data?

As there are few U.S.-based biometric sensor platforms capable of real-time emotion detection, HDIAC expanded this inquiry to include a limited number of systems developed internationally. Relevant information, including primary point of contact, email, phone number, and a brief description of the solution, is provided. [READ MORE](#)



SNEAK PEEK

UPCOMING WEBINAR:

Nuclear Deterrence

DATE:

September 28, 2022

TIME:

12:00 PM

PRESENTED BY:

Robert J. Hill

HOST:

HDIAC



VOICE FROM THE COMMUNITY

Richard Winegar, Ph.D.
Chief Scientist, MRIGlobal

Richard Winegar's work has contributed to national security and areas in genomics, such as whole genome sequencing and reference capability, and diagnostic assays for biothreat agents and radiation exposure. Previously, he helped develop and validate methods to analyze evidence related to the 2001 anthrax letters investigation for the U.S. Department of Justice. He has served as principal investigator for many U.S. government and commercial clients. He characterized genetic damage induced by heavy-ion particle radiation for NASA and used PCR to determine tissue distribution in mice of an adenovirus-based, antimelanoma vaccine for NCI. More recently, he played a role in developing rapid diagnostics, testing therapeutics, and performing genomic analysis to better understand the emergence and significance of COVID-19 variant strains.

BECOME A SUBJECT MATTER EXPERT



HIGHLIGHT

Drone Assessment and Response Tactics (DART) and Unmanned Aircraft Systems Program Development (UASPD) Training Courses

HDIAC will host virtual Drone Assessment and Response Tactics (DART) and Unmanned Aerial Systems Program Development (UASPD) courses on October 4-5. Check the website for course details and to register.

[LEARN MORE](#)

FEATURED NEWS

FDA Approves New Drug Application for the DoD's Advanced Anticonvulsant System Program

FORT DETRICK, Md. – August 23, 2022 – The Joint Program Executive Office for Chemical, Biological, Radiological and Nuclear Defense's (JPEO-CBRND's) Joint Project Manager for Chemical, Biological, Radiological, and Nuclear Medical (JPM CBRN Medical) received notice of U.S. Food and Drug Administration (FDA) approval of Rafa Laboratories, Ltd.'s (Rafa) midazolam injection autoinjector New Drug Application (NDA). The U.S. Department of Defense (DoD) developed the product with Rafa via JPM CBRN Medical's Advanced Anticonvulsant System (AAS) program team. The DoD's Chemical and Biological Defense Program supported this effort. [READ MORE](#)



Image: JPM CBRN Medical



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DVIDS

WEBINARS

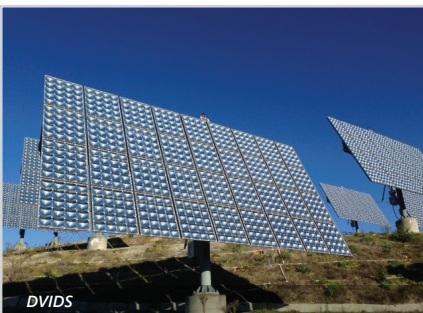
Nuclear Deterrence

Presented: September 28, 2022 12:00 PM – 1:00 PM

Presenter: Robert J. Hill

Host: HDIAC

Nuclear deterrence is the ability to deter nuclear weapons use by adversaries and dissuade nonnuclear great power conflict by credibly threatening catastrophic retaliation. This webinar will discuss U.S. nuclear deterrence theory, the role of our nuclear deterrent capabilities, foundations of nuclear command and control, organizations of the U.S. nuclear enterprise, and our global nuclear adversaries. [LEARN MORE](#)



Resilience by Design: Microgrid Solutions for Energy Assurance

December 8, 2022 12:00 PM

Missed our previous webinar?
"Countering Unmanned Aerial Systems in the
Homeland: Constraints and Emerging Solutions"

[View the slides here](#)
[Watch the recording here](#)

EVENTS

Commercial UAV Expo

September 6-8, 2022

Military Health System Research Symposium

September 12-15, 2022

Drone Assessment and Response Tactics (DART) & Unmanned Aircraft Systems Program Development (UASPD) Training Courses

October 4-5, 2022

CBRNe Convergence 2022

October 31-November 2, 2022

Law Enforcement Homeland Security Forum & Tech Expo




November 29-December 1, 2022

Counter UAS Technology

December 5-6, 2022

Want your event listed here?

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

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

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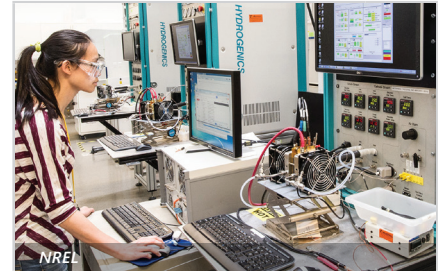
RECENT NEWS



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Alternative Energy



NREL

Decades in the Making – New Catalyst Could Make Hydrogen Fuel Cells Affordable

Alternative Energy



NIST

Security Guidance for First Responder Mobile and Wearable Devices

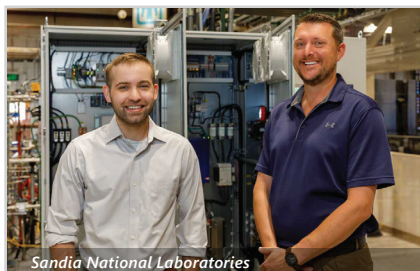
Critical Infrastructure Protection; HD & Security



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GBT Technologies Nears Patent Grant for Real-Time 3-D Biometric Security for Devices

Biometrics



Sandia National Laboratories

Sandia Test Delivers Electricity to the Grid

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U.S. Army

U.S. Army Expands Medical Interoperability With Polish Allies

Medical

