

HOMELAND

Defense & Security Digest

The Latest From the Homeland Defense & Security Information Analysis Center // November 28, 2023

CALL FOR JOURNAL ABSTRACTS!

The HDIAC Journal features exclusive unpublished articles on new ideas and emerging trends in science and technology. We are currently accepting abstracts for the next issue of our journal. If you are a subject matter expert in one of HDIAC's technical focus areas and are interested in submitting an abstract, please include the following:

WHAT TO INCLUDE IN ABSTRACT:

- 200 words
- All authors
- Prospective title
- Highlighted focus area(s)
- Your organization

SUBMIT IDEAS/ABSTRACT:

journal@hdiac.org

To view previous HDIAC journals, visit <https://hdiac.org/journals>.

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

Who are U.S. Department of Defense (DoD) experts in platforms using genome editing tools to diagnose disease?

The Homeland Defense & Security Information Analysis Center (HDIAC) was asked to identify U.S. Department of Defense (DoD) or U.S. government (USG) subject matter experts (SMEs) with expertise in disease diagnostic platforms, specifically those utilizing genome editing tools to search for... [READ MORE](#)

UPCOMING WEBINAR



From Lab to the Literal Field: Custom-Fit, 3-D-Printed Medical Devices and ...

December 14, 2023
12:00 PM – 1:00 PM

Presenter(s): Michael E. Zabala, Ph.D.

Host: HDIAC

In early fall of 2019, Dr. Michael Zabala received a phone call from his neighbor, Robbie Stewart, the head athletic trainer for Auburn Football. A wide receiver had a broken hand, and Robbie wanted to know if the Auburn University Biomechanical Engineering Lab could make a custom device to... [READ MORE](#)

FUTURE WEBINARS

Homeland Defense and Future Warfighting...

January 11, 2024
12:00 PM – 1:00 PM



HIGHLIGHT

Cultural and Area Studies Panel Discusses Key Issues in China-U.S. Relations

FORT LEAVENWORTH, Kan. - When discussing national security, it is not uncommon to examine India in comparison to China as a rising power in the Indo-Pacific. In the second Cultural and Area Studies panel of the 2023 academic year and 11th of 2022-2023, the impact of India as a rising power, the history of the US and China's counter strategic stances, and basic blockades to a U.S.-China relationship were examined by a panel of experts in each area during the event held November 2. [LEARN MORE](#)

EVENTS

Materials in Nuclear Energy Systems (MiNES 2023)
December 10–14, 2023
New Orleans, LA

The 12th IEEE Electrical Energy Storage Applications and Technologies (EESAT) Conference
January 29–30, 2024
San Diego, CA

Want your event listed here?
Email contact@hdiac.org to share your event.



VOICE FROM THE COMMUNITY

Dr. Ryan Giar
*Principal Member of Technical Staff,
Sandia National Laboratories*

Ryan Giar is a principal member of technical staff at Sandia Labs, where his duties involve antenna design and modeling, radar system evaluation, and link margin analyses. His academic background is in nuclear and electrical engineering, where he performed fusion (electrostatic confinement) and high-pressure air plasma research. His professional background is in radio frequency and plasma engineering, where he performed semiconductor processing, ionospheric, and telemetry research.

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)

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!



U.S. Army

RECENT HDIAC TIs

- Is there a spray that can identify the presence of explosive residue via colorimetric change?
- What research has been conducted on decontaminating/sanitizing military equipment to ensure it is free from biohazards before shipping outside the continental United States?
- What respiratory protection is effective against high pH gasses?

RECENT CSIAC & DSIAC TIs

- What are the requirements and guidelines (e.g., STIGs) for an IL4 environment in Azure?
- What data or test data are available on the flammability of EGW coolant?
- What are the test standards for conducting armor penetration testing of shaped charge warheads into rolled homogeneous steel blocks?

FEATURED NEWS

NSA Bahrain, NAVSEA Conduct Oil Spill Exercise

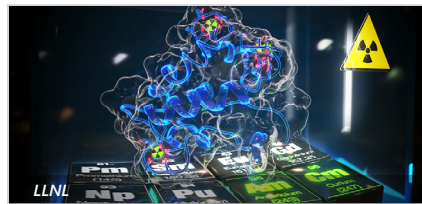
MANAMA, Bahrain - Naval Sea System Command's Supervisor of Salvage and Diving (SUPSALV), in coordination with Naval Support Activity (NSA) Bahrain's Environmental Division, Naval Facilities Engineering Systems... [READ MORE](#)

RECENT NEWS




Senior Defense Leaders Visit Kazakhstan to Commemorate Cooperative Anniversary

Defense Threat Reduction Agency  




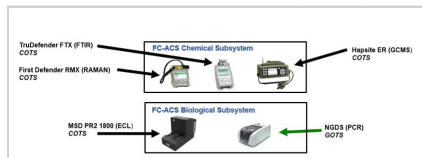
Migration of Elements Found in Nuclear Waste May Get a Boost From Natural Proteins

Lawrence Livermore National Laboratory 





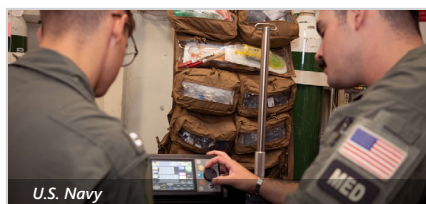
NRL ISS Mission Seeks New Bioinspired Materials

U.S. Naval Research Laboratory 




Common Analytical Laboratory System Field Confirmatory Analytical Capability Set...

JPEO-CBRND  




U.S. Navy Deploys Newest Medical Expeditionary Capability Aboard Eisenhower Carrier...

DVIDS 



USAMMDA, USAMTEAC Teams Test Field-Portable Ventilator, Prolonged Care Kit During...

U.S. Army 

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

The inclusion of hyperlinks does not constitute an endorsement by HDIAC or the U.S. Department of Defense (DoD) of the respective sites nor the information, products, or services contained therein. HDIAC is a Defense Technical Information Center (DTIC)-sponsored Information Analysis Center, with policy oversight provided by the Office of the Under Secretary of Defense for Research and Engineering (OUSD(R&E)). Reference herein to any specific commercial products, processes, or services by trade name, trademark, manufacturer, or otherwise does not necessarily constitute or imply its endorsement, recommendation, or favoring by the U.S. government or HDIAC.

4695 Millennium Drive, Belcamp, MD 21017
443-360-4600 | contact@hdiac.org | hdiac.org
Unsubscribe | Past Digests

