

HOMELAND

Defense & Security Digest

The Latest From the Homeland Defense & Security Information Analysis Center // June 11, 2024

TRAUMATIC BRAIN INJURY CENTER OF EXCELLENCE (TBICOE)

A component of the Military Health System, TBICoE provides clinical tools, patient resources, training, and research information for assessing and managing traumatic brain injuries.

One TBICoE area of focus is low-level blast exposure. A low-level blast is generated from firing heavy weapons systems or explosives in training environments or combat. Exposure symptoms may include headaches, difficulty hearing and concentrating, memory problems, slow reaction times, and decreased hand-eye coordination.

Click [here](#) to download the TBICoE Low-Level Blast Exposure fact sheet and learn how to treat and manage this condition for optimal Warfighter brain health.

DID YOU MISS OUR LAST WEBINAR?

“DoD Nuclear Energy Use Case – A Combatant Command Perspective”

 [WATCH NOW!](#)

[or download the slides](#)

NOTABLE TECHNICAL INQUIRY

Can you provide a bibliography of recent research for therapeutic research of BWE via low audio frequency stimulation ranging from delta to gamma?

The Homeland Defense and Security Information Analysis Center (HDIAC) was asked to identify recent research (in the past five years) in the therapeutic uses of brainwave entrainment (BWE) via low audio frequency stimulation. The desired range was from 0 to 40 Hz, accommodating brainwave... [READ MORE](#)

UPCOMING WEBINAR



Managing Public Health During a Migration Crisis

June 13, 2024
12:00 PM – 1:00 PM

Presenter(s): John Clements

Host: HDIAC

In February 2024, the Homeland Defense and Security Information Analysis Center (HDIAC) led a Tabletop Exercise (TTX) in support of military physicians in a residency program. During this program, students obtained their master's in public health, and the program leadership identified a need for... [READ MORE](#)

FUTURE WEBINARS

Rewiring the Brain for Optimized Performance

June 14, 2024
12:00 PM – 1:00 PM

Emerging Capabilities for Evaluating Cognitive...

July 17, 2024
12:00 PM – 1:00 PM



USAMRIID, Public Affairs Office

HIGHLIGHT

Persistent Experimentation

The mission of the U.S. Army Medical Research and Development Command (MRDC) is to create, develop, acquire, and deliver medical capabilities to the Warfighter. A critical part of ensuring mission success involves testing those capabilities in real-world conditions. Throughout the year, ... [LEARN MORE](#)

EVENTS

Law Enforcement-Homeland Security Forum & Technology Exposition 2024

June 12–13, 2024
Chantilly, VA

American Nuclear Society Annual Conference 2024

June 16–19, 2024
Las Vegas, NV

Biometrics Institute US Strategy Forum

June 20, 2024
Alexandria, VA

The 92nd MORS Symposium

June 24–27, 2024
Monterey, CA

The 2nd Annual Nuclear Energy Security Summit

June 26–27, 2024
Washington, DC

Digital Engineering for Defense Summit

June 26–27, 2024
National Harbor, MD

National Homeland Security Conference 2024

July 22–25, 2024
Miami, FL

Want your event listed here?

Email contact@hdiac.org to share your event.



VOICE FROM THE COMMUNITY

Robert J. Coullahan, CEM, CPP
President, Readiness Resource Group (RRG), Senior SME

Following active U.S. Army service, Mr. Coullahan provided 45 years of critical infrastructure protection and emergency management support. As president of RRG, he supports infrastructure restoration studies; nuclear nonproliferation research, development, test, and evaluation; and chemical, biological, radiological, and nuclear response missions. As a certified emergency manager and coauthor of a book on pandemic preparedness, he has contributed continuously to our nation's threat readiness and resilience.

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).

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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



RECENT HDIAC TIs

- What U.S. Department of Defense organizations are researching and/or developing mitigation techniques to prevent injuries from head-supported mass?
- What information is available on conversion efficiencies of chemical warfare agents V to G using silver fluoride conversion pads/tubes?
- Is there any empirical data for dry decontamination operational procedures?

RECENT CSIAC & DSIAC TIs

- What computer-aided design (CAD) models and diagrams are available that detail the exterior of the CV9035 infantry fighting vehicle?
- What is the status of the U.S. Army Research Laboratory's 3-D-printed ceramic body armor and its capabilities?
- How can unmanned aerial vehicles be electromagnetically shielded while maintaining transmitting, receiving, and cooling capabilities?

FEATURED NEWS

U.S. Army Chemical Review 2024

The U.S. "Army Chemical Review" (ACR) (ISSN 0899-7047) is published annually in May by the U.S. Army Chemical, Biological, Radiological, and Nuclear School (USACBRNS) and the Maneuver Support... [READ MORE](#)

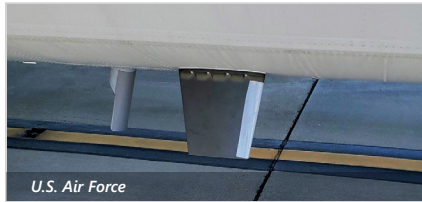
RECENT NEWS



Navy Petty Officer 2nd Class Matt Hall

Sparking Innovation to Fight Fire Around the World

The Department of Homeland Security



U.S. Air Force

Additional VHF Antenna Enhances Communication to Improve Forecasts

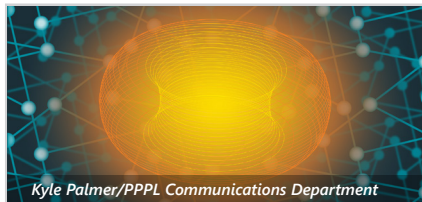
U.S. Air Force Reserve Command



Carlos Jones/ORNL, U.S. Dept. of Energy

Decades of Nuclear Expertise Guides Global Nonproliferation Innovation Today

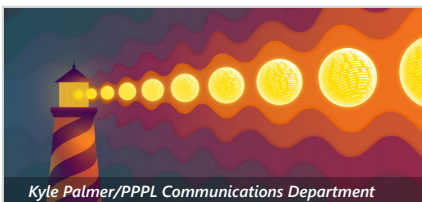
Oak Ridge National Laboratory



Kyle Palmer/PPPL Communications Department

Using Artificial Intelligence to Speed Up and Improve the Most Computationally Intensive...

Princeton Plasma Physics Laboratory



Kyle Palmer/PPPL Communications Department

New Discoveries About the Nature of Light Could Improve Methods for Heating Fusion...

Princeton Plasma Physics Laboratory



Isaac Savitz/U.S. Naval Hospital Okinawa

U.S. Naval Hospital Okinawa Is Using State-of-the-Art Space Age Equipment to Get Our Sailors...

U.S. Navy



Alternative Energy



Biometrics



CBRNE Defense



Critical Infrastructure Protection



Cultural Studies



Homeland Defense & Security



Medical



Weapons of Mass Destruction

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