

HOMELAND

Defense & Security Digest

The Latest From the Homeland Defense & Security Information Analysis Center // July 4, 2023

JOURNALS ARE BACK!

After a long absence, the HDIAC Journal is returning! We are now accepting abstracts for our first issue and need your help!

This issue will be a general edition covering any of HDIAC's eight focus areas.

WHAT TO INCLUDE IN ABSTRACT:

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

ARTICLE DEADLINE:

August 1, 2023

SUBMIT IDEAS/ABSTRACT:

journal@hdiac.org

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

DID YOU MISS OUR LAST WEBINAR?

"Wearable Biochemical Monitoring? Very Recent Breakthroughs Will Make Performance and Health..."

[WATCH NOW!](#)

[or download the slides](#)

NOTABLE TECHNICAL INQUIRY

What data exists on the reaction of RSDL with nerve agents GB and GD and forming degradation products?

The Homeland Defense and Security Information Analysis Center (HDIAC) received a technical inquiry regarding existing test data for the decontamination of GB and GD with RSDL and the production of hydrolysis products such as isopropyl methylphosphonic acid (IMPA), pinacolyl methylphosphonic acid (PMPA), methylphosphonic acid (MPA), or any other reaction products that might have been identified. [READ MORE](#)

UPCOMING WEBINAR



Contemporary Counter Unmanned Aerial System Technologies

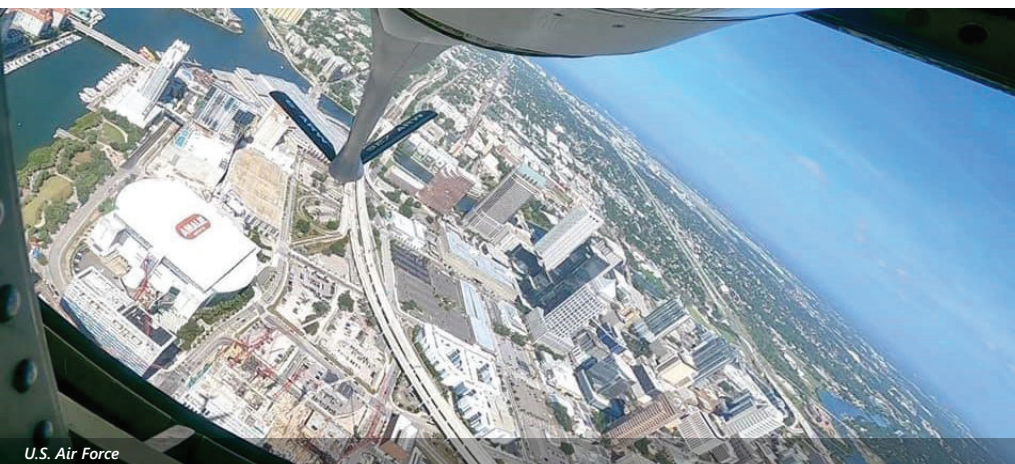
July 12, 2023 2:00 PM – 3:00 PM

Presenter: Yeonjoon "Ethan" Park, Ph.D.

Host: HDIAC

This webinar presentation contains CUI and is therefore limited to government and contractors only.

As unmanned aerial system (UAS) technologies spread globally, UAS attacks with improvised explosive devices (IEDs) and military explosives are rapidly increasing worldwide. Here, we examine types of UASs, attack patterns, various counter unmanned aerial system (CUAS) methods with effective ranges, and the future of CUAS technologies. Open-source information will be used in this presentation to study various contemporary aspects of CUAS strategies. [READ MORE](#)



U.S. Air Force

HIGHLIGHT

Homeland Defense Awareness Symposium and Joint Training & Education Academic Workshop

The Homeland Defense Institute (HDI)* is hosting the Homeland Defense Awareness Symposium in conjunction with the North American Aerospace Defense Command (NORAD) and U.S. Northern Command (USNORTHCOM) Joint Training & Education Academic Workshop on 18-19 July 2023 in Colorado Springs, CO. This year's symposium provides an unclassified... [LEARN MORE](#)

EVENTS

Homeland Security: Cybersecurity and Infrastructure Conference

July 17–19, 2023
Atlanta, GA

Homeland Defense Awareness Symposium and Joint Training & Education Academic Workshop

July 18–19, 2023
Colorado Springs, CO

National Homeland Security Conference 2023

July 24–27, 2023
Chicago, IL

Critical Infrastructure Security Summit

July 26–27, 2023
Alexandria, VA

Micro Radiation Emergency Medicine (MicroREM) Course

August 1–3, 2023
Virtual

ASES Solar 2023 Conference

August 8–11, 2023
Boulder, CO

2023 Operational Energy & Logistics Summit

August 22–24, 2023
Honolulu, HI

Want your event listed here?

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



VOICE FROM THE COMMUNITY

Dr. Ranganathan Gopalakrishnan

Associate Professor, University of Memphis

Dr. Ranganathan Gopalakrishnan is an associate professor in the Department of Mechanical Engineering at the University of Memphis, where he teaches courses in fluid and thermal sciences, numerical and mathematical methods, and experimental techniques. He is also a thermal sciences researcher focusing on particle transport processes in gas-phase systems like dusty plasmas, dense aerosols, and powder flows. He received the Early Career Award from the U.S. Department of Energy to conduct fundamental research on strongly coupled dusty plasmas.

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!



RECENT HDIAC TIs

- What is the standard respiratory protection for military and law enforcement professionals - tight or loose fitting?
- Do you know of unclassified datasets related to former WMD programs such as the U.S. Biological Warfare Program?
- What programs, projects, or organizations use zirconium hydroxide for decontamination and contamination mitigation, and what is its efficacy against all possible CBRN threats, including TICs/TIMs?

RECENT CSIAC & DSIAC TIs

- What COTS/GOTS technologies are available to aid operators in automated annotation of photos and video collected during a mission to classify objects of interest?
- Are there viable pathfinder tools to compute optimized evasion paths for friendly assets under threat by hostile laser or radio frequency DEW systems? What software algorithms can calculate environmental effects and exploit DEW system or sensor limitations?
- What UASs can carry out an autonomous unmanned maritime ISR mission?

FEATURED NEWS

Improving Combat Casualty Outcomes Through Point-of-Need Care

Combat anesthesia hasn't significantly changed since the U.S. Civil War - it can be agonizing, traumatizing, and burdensome for the injured as well as those caring for them. This is due to the fact that no anesthetic... [READ MORE](#)

RECENT NEWS



ERDC

Researchers Analyze, Share DUNEX Data for Coastal Resiliency


U.S. Army 



NIST


NIST Develops New Nondestructive Method for Assessing Bioengineered Artificial Tissues

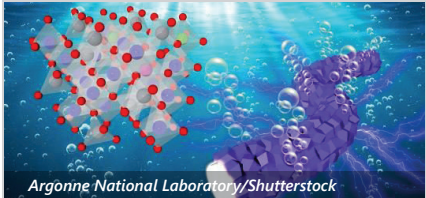
NIST 



USAF


Pacific Air Forces Airmen Test Next Generation Aircrew Protection Equipment


U.S. Air Force 



Argonne National Laboratory/Shutterstock

Extracting a Clean Fuel From Water


Argonne National Laboratory 



PNNL


Drones Fly Low and Slow for Radiation Detection

PNNL  



USMC

WLEF: Affecting Cultural Change

U.S. Marine Corps 

-  Alternative Energy
-  Biometrics
-  CBRN 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

