NOTABLE TECHNICAL INQUIRY

Where can U.S. Army munitions fragmentation data (z-data) be found and how can it be acquired?

DSIAC was asked how fragmentation data, or z-data, can be acquired for various U.S. Army munitions (cannon artillery and mortar). DSIAC used its subject matter expert network to find the controlling office and connect the inquirer to the proper contact at the U.S. Army Combat Capabilities Development Command Data and Analysis Center to obtain the desired data files. Read More

FEATURED NEWS

Leaders Discuss Nuclear Modernization, Hypersonics Development

The nuclear triad of intercontinental ballistic missiles, submarines, and strategic bombers, as well as the nuclear command and control system, are at the core of U.S. defense strategy, commander of the U.S. Strategic Command told a Senate panel.


"Modernization of the triad is essential for maintaining strategic deterrence, which is foundational for everything else the Defense Department does," Richard said, adding that Russia and China are heavily investing in these systems. Read More
VOICE FROM THE COMMUNITY

Christian Page, Ph.D., Managing Engineer at Exponent, Inc.

I lead Exponent’s consulting services in additive manufacturing (AM) technologies and applications. I also provide guidance and engineering services support for government and industrial clients looking to leverage AM to innovate their products and supply chains. These services include: application-specific AM technology selection and guidance; “what to print?” analyses; executive-level education and training on AM technologies and applications; due-diligence engineering, including manufacturability, durability, reliability, and compliance; and AM workflow and supply chain logistics guidance.

Apply to be part of our network of over 1,000 subject matter experts.

UPCOMING EVENTS

International Conference on Injection Molding of Metals, Ceramics, and Carbides
2 March 2020 to 4 March 2020

2020 Directed Energy Summit
1 April 2020 to 2 April 2020

SAMPE 2020
4 May 2020 to 7 May 2020

2020 International Armored Vehicles USA
23 June 2020 to 25 June 2020

Want your event listed here? Let us know!

SEEKING YOUR KNOWLEDGE

Are There Technologies That Detect Foreign Object Debris (FOD) Entering Jet Engine Inlets?

DSIAC is looking for technologies supporting the Innovation and Modernization Pax and Naval Air Warfare Center Aircraft Division that can detect FOD entering jet engine inlets or impacting jet turbine blades.

Have an idea for a topic? Please contact us to write an article!
RECENT NEWS

U.S. Army Developing Process for Using 3-D Printing at Depots and in the Field

U.S. Army Taps Persistent Systems to Develop Secure Comms for Robotic and Autonomous Systems

No Laser for You: The Pentagon Wants to Destroy Enemies' Laser Weapons

Simple, Fuel-Efficient Rocket Engine Could Enable Cheaper, Lighter Spacecraft

Air Force Ready to Recompete 3DELRR Air-Defense Radar Project to Defend Against Enemy Missiles and UAVs

NDIA Policy Points: Sonic Devices Demand Greater Research

The Senseless Danger of the Military’s New “Low-Yield” Nuclear Warhead

Thousands of Army Bradleys Don't Have the Power to Use New Active Protection Systems

Rifle Designed for Aircrew Ejecting in Hostile Regions Delivered to the Air Force
DSIAC Journal: Open Call for Summer 2020 Articles

DSIAC is seeking articles for the Summer issue of our DSIAC Journal. The DSIAC Journal is a quarterly publication by DSIAC, sponsored by DTIC, with policy oversight provided by OUSD(R&E).

The DSIAC Journal features technical articles on DoD R&D efforts in nine focus areas: Advanced Materials; Autonomous Systems; Directed Energy; Energetics; Military Sensing; Non-Lethal Weapons; Reliability, Maintainability, Quality, Supportability, and Interoperability (RMQSI); Survivability & Vulnerability; and Weapon Systems. The goal of the DSIAC Journal is to help researchers, engineers, and technical managers by providing a forum in which to share their expertise and lessons learned throughout the community and minimize redundant research. We publish original and high-quality papers, with the objective of covering the latest developments in engineering and/or technologies.

Read More

ARTICLE INFORMATION
- Length: Articles should be approximately 3,000 words; abstracts should be about 150 words.
- Audience: Articles should be written from a general DoD perspective, i.e., not a company-specific sales pitch. The intended audience is the larger defense community, i.e., this is not a scholarly journal, so the topic need not be overly complex; however, technical competency is expected in the articles.
- Release: Written content and images must be approved for public release by the author’s organization.

IMPORTANT DATES
- Abstract deadline: March 2, 2020
- Article deadline: April 17, 2020
- Abstracts, articles, and any further questions can be sent to the editor-in-chief at brian.benesch@dsiac.org (brian.a.benesch.ctr@mail.mil).

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