NOTABLE TECHNICAL INQUIRY

What AM materials can be medically used and reused under military central sterile processing standards?

The use of polymer additive manufacturing (AM) for single-use and reusable medical devices in austere environments is of interest to the U.S. Department of Defense. The ability to field a deployable AM resource with enough filament to sustain 60–90 days helps create a more independent and well-rounded medical team and closes air gaps on supply chain reliance. This report includes a literature survey to gather insights into the available medical...

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UPCOMING WEBINAR

NSWC Indian Head Division Battle Lab
Date: July (exact date TBD)

Presenter(s): Catherine Eaton
Host: DSIAC

In the last decade, Warfighters have grown reliant on commercial-off-the-shelf (COTS) equipment to meet their operational needs rather than use traditional U.S. Department of Defense acquisition paths. Although COTS systems may offer a responsive and rapid procurement, they carry a substantial risk to frontline Warfighters due to lack of objective test and evaluation in realistic, relevant conditions. Most importantly, there is a lack of operational...

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HIGHLIGHT

DoD Releases Open Announcement Through Other Transaction Authority for U.S. and Selected International Partners

The U.S. Department of Defense (DoD) has released a new Open Announcement through the Defense Industrial Base Consortium Other Transaction Authority (DIBC OTA) that will accept unsolicited white papers to be considered for Defense Production Act (DPA) Title III and Industrial Base... LEARN MORE

EVENTS

NSMMS/CRASTE 2024
June 24–27, 2024
Madison, WI

Digital Engineering for Defense Summit
June 26–27, 2024
National Harbor, MD

Military Standard 810 (MIL-STD-810) Test Training Open Course (Element Materials Technology – Boxborough, MA)
July 15–18, 2024
Boxborough, MA

The 2024 FAA Drone and Advanced Air Mobility Symposium
July 30–August 1, 2024
Baltimore, MD

Joint Air Survivability Summit 2024
July 31–August 1, 2024
National Harbor, MD

17th International Detonation Symposium
August 4–9, 2024
Kansas City, MO

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

VOICE FROM THE COMMUNITY

Jimmy Russell
Materials and Processes Engineer, Missile Defense Agency (MDA)

Jimmy Russell is a parts materials and processes engineer contractor at MDA, where he works on systems engineering and materials science subjects for specialty engineering and broad parts management efforts. Some of his focus areas include additive manufacturing, quality assurance, system survivability and radiation hardness assurance, counterfeit awareness and mitigations, obsolescence, and modernization efforts for the Ground-Based Midcourse Defense system platforms.
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RECENT DSIAC TIs

- Can you provide information on directed energy weapons for a U.S. Air Force Test Pilot School Space Test Center course?

- What work is being done to additively manufacture high entropy or refractory alloys?

- What is the current state of research in wind tunnel models, and how do they fit within the digital test environment?

RECENT CSIAC & HDIAC TIs

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- What information is available on conversion efficiencies of chemical warfare agents V to G using silver fluoride conversion pads/tubes?

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