NOTABLE TECHNICAL INQUIRY

What thermal and radiative material property databases are publicly available near standard temperature and pressure (STP) conditions?

The Defense Systems Information Analysis Center received a technical inquiry for any public distribution material property databases near STP conditions, specifically for thermal and radiative properties of materials. No mention was made if the materials should be metals, nonmetals, ceramics... READ MORE

UPCOMING WEBINAR

Assessing Military Technology: Effectiveness Is the Metric...

January 10, 2024
12:00 PM – 1:00 PM

Presenter(s): Bill Beglin

Host: DSIAC

It is clear that effectiveness is a crucial metric when it comes to making informed decisions about investments in warfighting technologies. This presentation underscores the importance of using wargame modeling software to assess the effectiveness of military technologies, especially... READ MORE

FUTURE WEBINARS

Expanding Release Envelopes Into the Supersonic Regime...

February 28, 2024
12:00 PM – 1:00 PM

DID YOU MISS OUR LAST WEBINAR?

“Multiscale Study of Hypersonic Vehicles: From Turbulence to Ceramics”

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HIGHLIGHT

New Breathing Training Program for Pilots Is Recognized by Training Industry Association

A TechSolutions-sponsored project has been honored with an award from the National Training and Simulation Association (NTSA) for its TS-872 Breathing Dynamics Trainer, created in collaboration with the Naval Aviation Training Systems and Ranges Program Office at Naval Air Systems... LEARN MORE

EVENTS

Fundamentals of Random Vibration and Shock Testing Open Course (San Jose, CA) February 13–15, 2024 San Jose, CA

EWA Technical Conference and the Dixie Crow Symposium March 24–27, 2024 Robins, AFB, GA

2024 Robins Requirements Symposium March 28, 2024 Robins AFB, GA

Sea-Air-Space 2024 April 8–10, 2024 National Harbor, MD

2024 National Fire Control Symposium April 15–18, 2024 Fort Walton Beach, FL

2024 Combined Light Armor Survivability Panel (CLASP) April 23–24, 2024 Colorado Springs, CO

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

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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BECOME A SUBJECT MATTER EXPERT

VOICE FROM THE COMMUNITY

Adam Maffe
Materials Engineer, TRI Austin

Adam Maffe is a materials engineer at TRI Austin, where he focuses on soft materials and thermomechanical processing of polymers. Several topics that he has enjoyed working on include the manufacture of carbon fibers from spin dope to sized tows, characterization of an unexplored co-curing thermosetting system, and development of various topcoats related to antifouling and wear protection for defense applications.
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RECENT DSIAC TIs

• Which GPS-guided rockets or artillery rounds are used for all Service components and with unmanned systems?

• What are nonflammable alternatives for R600a isobutane refrigerant?

• What information is available on investigating shock transmission through dissimilar metal interfaces (e.g., impact or explosive welding)?

RECENT CSIAC & HDIAC TIs

• How does the DoD use Apple computers on their networks?

• What information is available on open-source M&S of assorted missile seekers (infrared, radio frequency, laser) that generically model their capabilities at high fidelity?

• What research has been conducted on decontaminating/sanitizing military equipment to ensure it is free from biohazards before shipping outside the continental United States?

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Defense Officials Report Progress on Replicator Initiative

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  - National Aeronautics Space Administration

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  - U.S. Army

- New Twist on AI Makes the Most of Sparse Sensor Data
  - Los Alamos National Laboratory

- Ghosts in the Plasma: Tracking the Footprints of Orbital Debris
  - U.S. Naval Research Lab

- A Gamma-Ray Pulsar Milestone Inspires Innovative Astrophysics and Applications
  - U.S. Naval Research Lab