

DEFENSE

Systems Digest

The Latest From the Defense Systems Information Analysis Center // March 5, 2024

JOINT AIRCRAFT SURVIVABILITY PROGRAM (JASP) MODEL USERS MEETING (JMUM) 2024

The 2024 JASP JMUM will take place 26–28 March 2024 at John Hopkins University Applied Physics Laboratory, Laurel, MD. The purpose of this recurring meeting is to provide model users, managers, stakeholders, and other interested individuals with the latest developments and updates associated with JASP-sponsored models and other models used throughout the aircraft survivability technical community.

To learn more and register, visit:

<https://dsiac.org/events/2024-joint-aircraft-survivability-program-jasp-model-users-meeting-jmum/>.

DID YOU MISS OUR LAST WEBINAR?

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

 WATCH NOW!

[or download the slides](#)

NOTABLE TECHNICAL INQUIRY

What UASs can carry out an autonomous unmanned maritime ISR mission?

The Defense Systems Information Analysis Center (DSIAC) was asked to search for UASs that perform ISR maritime missions. A set of parameters was given to DSIAC staff to limit the results, although this search was nonexhaustive and UASs that do not meet all parameters are included. [READ MORE](#)

UPCOMING WEBINAR



Current State and Future Directions of Composites Additive Manufacturing...

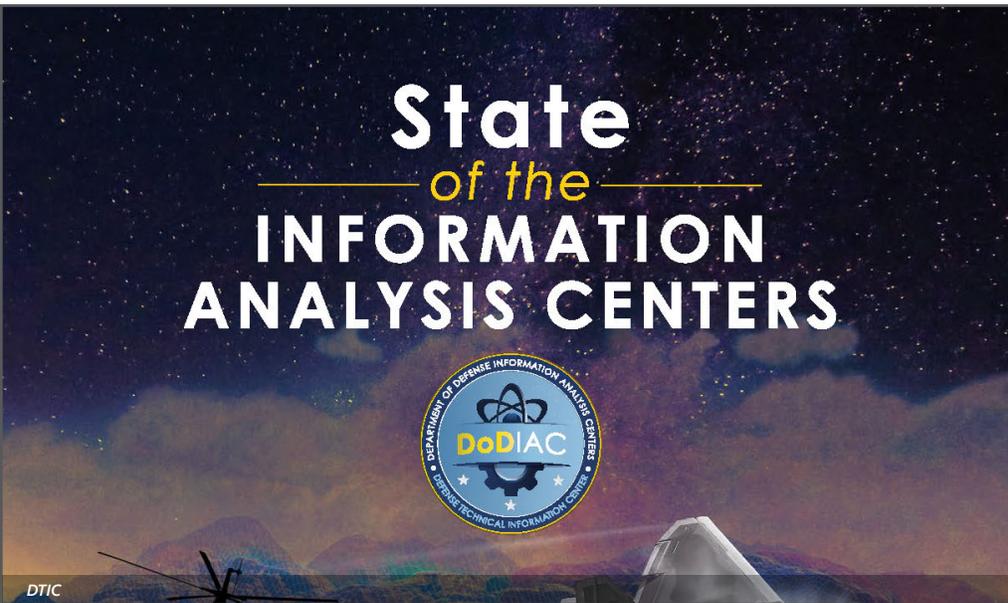
March 20, 2024
12:00 PM – 1:00 PM

Presenter(s): Dennis Butcher

Host: DSIAC

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

Continuous fiber composites printing offers an elegant means to generate complex shapes, reinforce parts by leveraging the inherent anisotropy of fiber deposition, and enable a manufacturing paradigm dominated by digital engineering and distributed production. However, these benefits are yet to be fully realized because of a host of design, material, processing, and integration challenges. [READ MORE](#)



HIGHLIGHT

Read the Latest State of the IACs Report for 2023

In FY 2023, the U.S. Department of Defense (DoD) Information Analysis Center (DoDIAC) delivered on its mission to reduce duplicative research, increase collaboration across the science and technology (S&T) ecosystem, and enable the DoD’s technological superiority. Our collaboration with... [LEARN MORE](#)

EVENTS

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

Joint Aircraft Survivability Program (JASP) Model Users Meeting (JMUM) 2024
 March 26–28, 2024
 Laurel, MD

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.



VOICE FROM THE COMMUNITY

Gary Briggs

Senior Research Software Engineer, RAND Corporation

Gary Briggs is a senior research software engineer at the RAND Corporation, where he focuses on modeling and simulation, with a strong lean toward Advanced Framework for Simulation, Integration, and Modeling Software (AFSIM), as well as being a developer on several RAND in-house models. He developed a general-purpose framework for reinforcement learning in AFSIM and made it freely available to the community.

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?

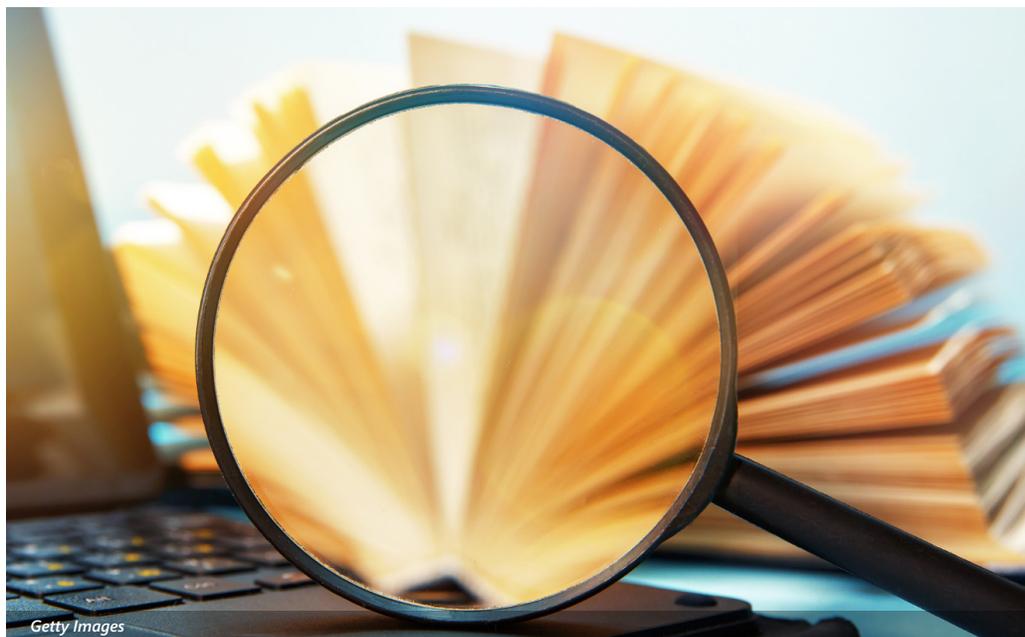
- U.S. government (federal, state, or local)
- Military personnel
- Contractors working on a government or military contract

WHY UTILIZE THE TI RESEARCH SERVICE?

- Get a head start on your technical questions or studies
- Discover hard-to-find information
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- Reduce redundancy of efforts across the government

To submit a TI, go to
<https://dsiac.org/technical-inquiries>

FOR MORE: FOLLOW US ON SOCIAL



RECENT DSIAC TIs

- What sensors are available for wide field-of-view battlespace awareness?
- What work has been done to add sensors to sonobuoys for above-water detection?
- What U.S. Department of Defense/government investments are augmenting casting and forging industries?

RECENT CSIAC & HDIAC TIs

- What software/middleware creates virtual and constructive cyber effects in live, virtual, and constructive testing and training events?
- What is the military's position on the required degree of artificial intelligence (AI) explainability for deploying AI-enabled weapon systems?
- Is there a way to detect and track chemical, biological, radiological, and nuclear contamination in a littoral/riverine environment?

FEATURED NEWS

DLA Highlights Successes in New Annual Report

FORT BELVOIR, Va. – The Defense Logistics Agency recently released its 2023 Annual Report, “Transforming Global Logistics.” [READ MORE](#)

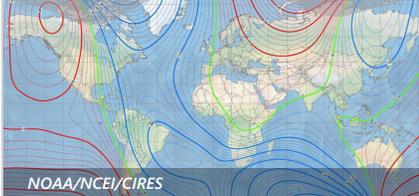
RECENT NEWS



DARPA

DARPA’s REMA Program to Add Mission Autonomy to Commercial Drones

Defense Advanced Research Projects Agency 



NOAA/NCEI/CIRES

World Magnetic Model Makes Modern Precision Navigation Possible

National Geospatial-Intelligence Agency  



MDA

MDA, SDA Confirm Successful Launch of the Hypersonic and Ballistic Tracking Space...

Missile Defense Agency 



U.S. Navy

Lakehurst’s SCRM Lab Fills Gap in Digital Supply Chain

Naval Air Systems Command 



U.S. Air Force

AFRL Helps NASA Wrap up Equipment Testing for Artemis II Mission

Air Force Research Laboratory  



Craig Fritz

Bruised and Bleeding: New Materials Show Where They’re Hurt

Sandia National Laboratories 

-  Advanced Materials
-  Autonomous Systems
-  C4ISR
-  Directed Energy
-  Energetics
-  Military Sensing
-  Non-Lethal Weapons
-  RMQSI
-  Survivability & Vulnerability
-  Weapons Systems

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