DEFENSE Systems Digest

The Latest From the Defense Systems Information Analysis Center // January 24, 2023

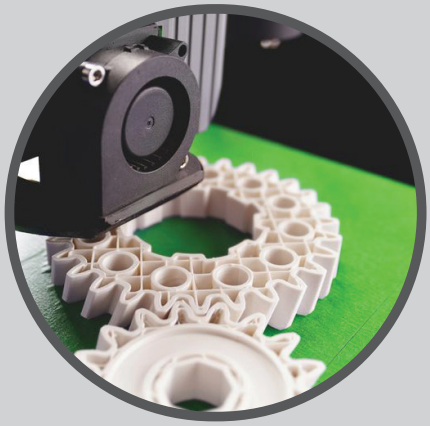
NAVAIR

NOTABLE TECHNICAL INQUIRY

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

Defense Systems Information Analysis Center staff searched open sources and the Association for Unmanned Vehicle Systems International (AUVSI) database for UASs that met the following vehicle requirements:

- Autonomous mission, en route at >100 kts, landing
- Range: greater than 200 NM with 6-hour loiter and 10%... **LEARN MORE**



SNEAK PEEK

UPCOMING WEBINAR:
Energetic Materials Additive Manufacturing

DATE:
February 22, 2023

TIME:
12:00 PM

PRESENTED BY:
Travis J. Kneen

HOST:
DSIAC

VOICE FROM THE COMMUNITY

Eric Harclerode
Operations Research Analyst, AMSAA

Eric Harclerode is an operations research analyst with the U.S. Army Materiel Systems Analysis Activity (AMSAA), where he works in intelligence, surveillance, and reconnaissance. He is the lead developer of the Fusion Oriented Command, Control, Communications, Computers, Intelligence, Surveillance, and Reconnaissance (C4ISR) Utility Simulation (FOCUS). He developed and executed FOCUS for use in Joint and Army analytical studies, including the Aerial Reconnaissance and Surveillance Portfolio Analysis and the Joint Cooperative Target Identification - Ground - Fire on Dismounts Analysis.

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 an SME!

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BECOME A SUBJECT MATTER EXPERT

HIGHLIGHT

AFMC Releases 2023 Strategic Plan

WRIGHT-PATTERSON AIR FORCE BASE, Ohio — The U.S. Air Force Materiel Command (AFMC) has released a new Strategic Plan outlining the ways it will work to deliver the advanced, integrated materiel capabilities the Air Force needs to deter aggression and prevail against modern adversarial threats.

The AFMC plan directly aligns with the seven Department of the Air Force Operational Imperatives and focuses on critical organize, train, and equip functions and capabilities delivered through an integrated... **LEARN MORE**

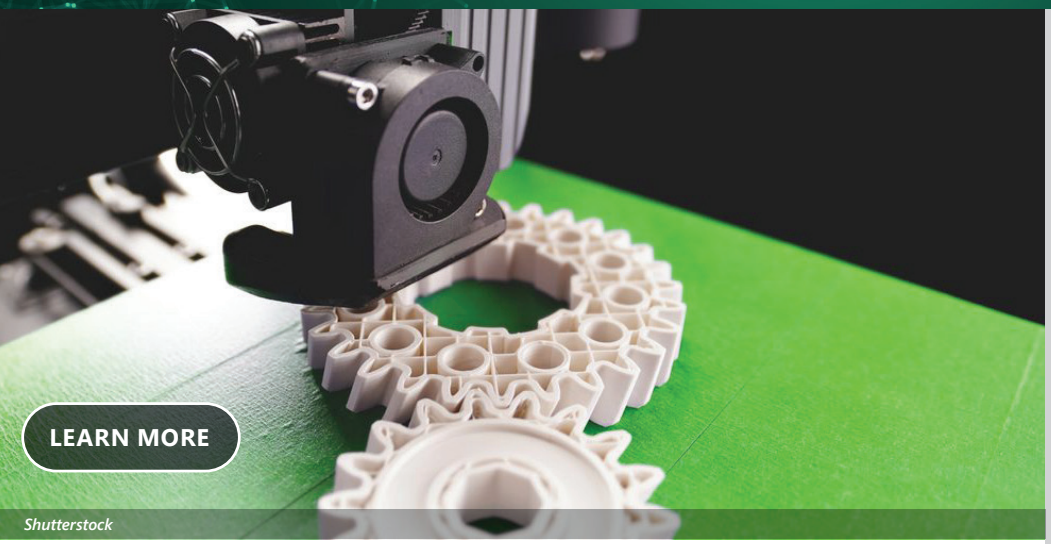
FEATURED NEWS

Austin, Hamada Sign Documents to Strengthen Alliance Interoperability

Secretary of Defense Lloyd J. Austin III and Japanese Defense Minister Yasukazu Hamada signed documents that will further strengthen the U.S.-Japanese Security Alliance.

The two men met for bilateral talks in advance of President Joe Biden meeting Japanese Prime Minister Fumio Kishida at the White House. That meeting caps what some in Washington are calling the month of "Japanuary" where leaders from both nations discussed... **READ MORE**

Image: U.S. Air Force

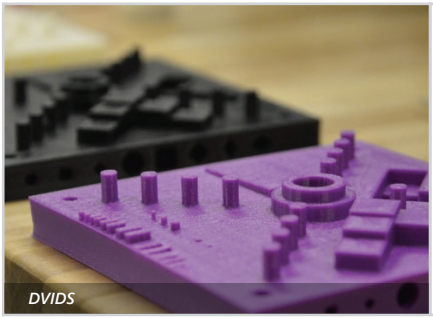


WEBINARS

Energetic Materials Additive Manufacturing

Presented: *February 22, 2023 12:00 PM*
Presenter: *Travis J. Kneen*
Host: *DSIAC*

Energetic materials additive manufacturing (EMAM) is a growing field of research of particular interest to the U.S. government due to its ability to explore new energetic formulations quickly and economically in various mediums. This webinar is a brief overview of the different additive manufacturing (AM) processes and research being done in the United States by the U.S. Department of Defense, Department of... **LEARN MORE**



State of Machine Learning for Optimization of Additive Manufacturing to Support Military Applications

March 15, 2023 12:00 PM

EVENTS

Military Additive Manufacturing 2023

February 1–2, 2023

UAV Technology USA 2023

February 6–7, 2023

Military Aviation & Air Dominance Summit

February 22–23, 2023

2023 Tactical Wheeled Vehicles Conference

February 27–March 1, 2023

Fundamentals of Random Vibration and Shock Testing Training (Westpak, Inc., San Diego, CA)

February 28–March 2, 2023

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

DID YOU MISS OUR LAST WEBINAR?

"Development and Utilization of TIPS Within the FRACTALS at the DEVCOM Analysis Center"

WATCH NOW!

or download the slides

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

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DSIAC Defense Systems Information Analysis Center

RECENT NEWS

Army Defines Communication Needs for 2023

U.S. Army

ERDC Labs Collaborating on Leading Edge, 3D Printing, Nature-Based Solution

U.S. Army

Army Names Next Generation Squad Weapon

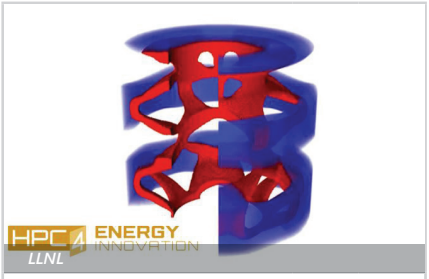
U.S. Army

All Military Aircraft Should Switch to More Expensive Filters to Improve Safety, Efficiency, Experts Say

U.S. Army

Unmanned Maritime Strike – Navy and Air Force at the Cutting Edge of Tactical Integration

U.S. Air Force



New HPC4EI Project to Create "Digital Twin" Models for Aerospace Manufacturing

LLNL