

DEFENSE

Systems Digest

The Latest From the Defense Systems Information Analysis Center // May 10, 2022



[SUBMIT A TECHNICAL INQUIRY](#)

U.S. Army

NOTABLE TECHNICAL INQUIRY

Can you provide insight and guidance into developing a master plan detailing optimization of facilities, infrastructure, equipment, and the digital depot for the OIB?

The Defense Systems Information Analysis Center (DSIAC) was asked for insight and guidance into the fiscal year 2020 National Defense Authorization Act requirement for the development of annual Organic Industrial Base (OIB) master plans detailing the four dimensions – facilities, infrastructure, equipment, and the digital depot. Additionally, the inquirer was searching for contractors that had previously written this type of OIB master plan and data regarding trade space for cost performance, risk, and readiness. [READ MORE](#)



SNEAK PEEK

UPCOMING WEBINAR:

Autonomous Research Systems

DATE:

May 18, 2022

TIME:

12:00 PM

PRESENTED BY:

Dr. Benji Maruyama

HOST:

DSIAC



VOICE FROM THE COMMUNITY

Feraidoon Zahiri

Engineer, U.S. Air Force

Feraidoon Zahiri is an engineer with more than 20 years of experience in technology research, development, and transition in numerous scientific and engineering disciplines. He has been instrumental in testing and transitioning new technologies developed through the Commercial Technologies for Maintenance Activities program, including new advanced automated test equipment for testing electrical subsystems and the application of a new voice-enabled inspection system. For his role in filling a critical technology gap in the Air Force's sustainment community, he was selected as a winner of the Small Business Technology Council's 2017 "Champion of Small Business Technology Commercialization" Award.

**BECOME A SUBJECT
MATTER EXPERT**



HIGHLIGHT

2022 Combined Light Armor Survivability Panel (CLASP)

The 51st CLASP meeting is scheduled to begin at 8:30 a.m. (with registration from 8:00 a.m. to 8:30 a.m.) on June 22, 2022, and continue until 2:00 p.m. (tentatively) on June 23. The host will be the Johns Hopkins University (JHU) Applied Physics Laboratory (APL), 7651 Montpelier Road, Laurel, MD 20723.

[LEARN MORE](#)

FEATURED NEWS

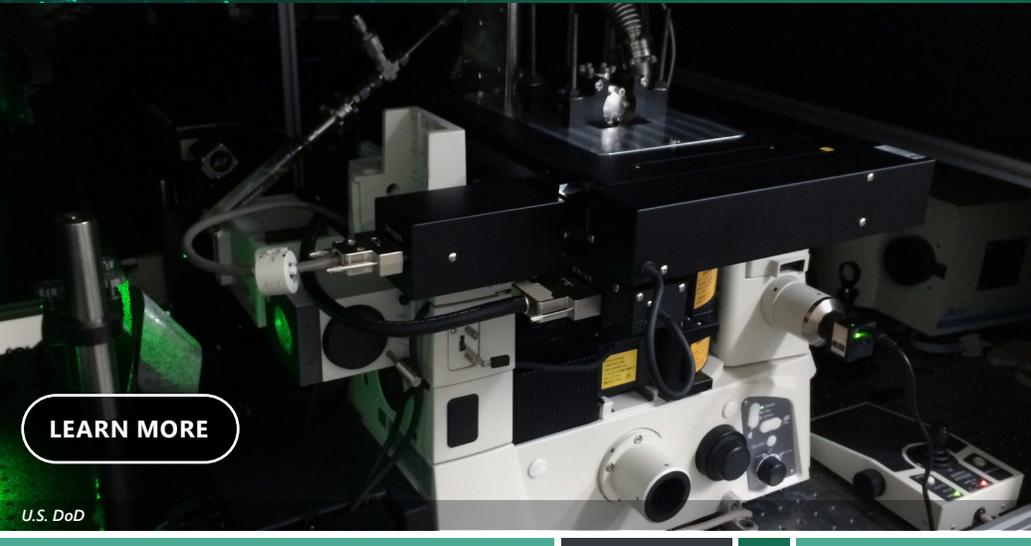
U.S. Army Announces Two New Rifles for Close-Combat Soldiers

The Army recently awarded a contract to manufacturer SIG Sauer for two new soldier weapons—the XM5 rifle and the XM250 automatic rifle. For soldiers involved in close-quarters combat, the XM5 will eventually replace the M4/M4A1 carbine rifle, while the XM250 will replace the M249 squad automatic weapon.



Additionally, both new rifles will use the new 6.8-mm common cartridge family of ammunition as well as a new fire control system. [READ MORE](#)

Image: U.S. Department of Defense



U.S. DoD

WEBINARS

Autonomous Research Systems

Presented: May 18, 2022 12:00 PM - 12:45 PM

Presenter: Dr. Benji Maruyama

Host: DSIAC

The current materials research process is slow and expensive, taking decades from invention to commercialization. The U.S. Air Force Research Laboratory pioneered ARES, the first autonomous research system for materials development. Researchers are now exploiting advances in artificial intelligence (AI) and autonomy and robotics, along with modeling and simulation, to create research robots capable of doing iterative experimentation orders of magnitude faster than today. We will discuss concepts and advances in autonomous experimentation, in general, and associated hardware, software, and autonomous methods. **LEARN MORE**



DVIDS

Human Agent Interaction for Intelligent Squad Weapon

July 13, 2022 12:00 PM



DVIDS

Microwave and Millimeter-Wave Imaging Techniques for Nondestructive Evaluation (NDE)

August 17, 2022 12:00 PM

EVENTS

Forum 78: The Future of Vertical Flight

May 10-12, 2022

65th Annual Fuze Conference

May 10-12, 2022

Military Standard 810 (MIL-STD-810) Testing Open Course (NTS Tempe, AZ)

May 16-19, 2022

SOFIC

May 16-19, 2022

Hypersonics Independent Research & Development (IR&D) Technology Interchange Meeting (TIM)

May 23-27, 2022

National Congress on Counter-UAS Technology

May 24-25, 2022

Aircraft Combat Survivability Short Course 2022

May 24-26, 2022

Want your event listed here?

Email contact@dsiac.org, to share your event.

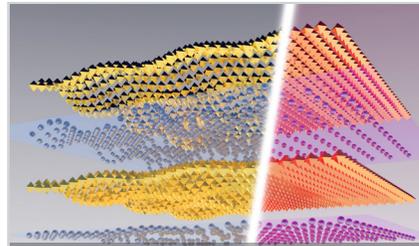
-  Advanced Materials
-  Autonomous Systems
-  C4ISR
-  Directed Energy
-  Energetics
-  Military Sensing
-  Non-Lethal Weapons
-  RMQSI
-  Survivability & Vulnerability
-  Weapons Systems

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RECENT NEWS



ORNL

ORNL Multimodal Study Sheds New Light on Promising Photovoltaic Material

Advanced Materials



U.S. Army

DEVCOM Teams Explore Low-Cost, Lightweight Sensors for Warfighter Use

Military Sensing



U.S. Army

Army Engineers Evaluate Automation, Protection Capabilities During Annual Experiment

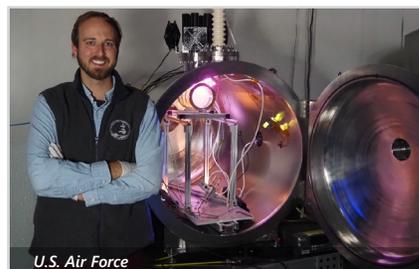
C4ISR



U.S. Air Force

AFRL Technology Makes New Weapon for Sinking Ships a Reality

Weapons Systems



U.S. Air Force

Multi-Energy Electron Device Creates Space Environment in the Lab

Advanced Materials;
Energetics



U.S. Department of Defense

NRL Conducts Successful Terrestrial Microwave Power Beaming Demonstration

Directed Energy; Military Sensing

