Who makes hardware and software solutions for high-voltage lithium-ion (Li-ion) battery systems?

The Defense Systems Information Analysis Center (DSIAC) received a technical inquiry requesting information on commercial hardware or software applications that detect, manage, and control abnormal and/or dangerous high-voltage, lithium-ion battery conditions. The purpose of the inquiry was to determine battery management solutions for military environments. DSIAC staff and academic subject matter experts with experience working on advanced battery development programs performed open-source research of high-voltage, lithium-ion battery manufacturers... READ MORE
HIGHLIGHT

**AI and Autonomy in Russia, Issue 23, October 8, 2021**

This report, the 23rd in a series of biweekly updates, is part of an effort by CNA to provide timely, accurate, and relevant information and analysis of civilian and military artificial intelligence (AI) in Russia and, in particular, how Russia is applying AI to its military capabilities. It relies on Russian language, open-source material. [LEARN MORE]

FEATURED NEWS

**General Says Artificial Intelligence (AI) Will Play Important Role in Network Defense**

Attacks by hostile governments and criminal networks on civilian and Defense Department cyberspace assets are constant threats. As artificial intelligence grows in cyberspace and as it matures to enterprise-scale, it too will become a target, said the Director of the Joint Artificial Intelligence Center.

The first aspect of cyber defense of AI starts with the networks, Marine Corps Lt. Gen. Michael S. Groen said today during a virtual fireside chat at the Billington Cybersecurity Summit. [READ MORE]

*Image: U.S. Marine Corps*
WEBINARS

Who Is Leading in AI/ML? An Unbiased Look at the Global AI/ML Landscape

Presented: November 10, 2021 12:00 PM - 12:45 PM
Presenter: Dr. Jason Augustyn
Host: DSIAC

Development of artificial intelligence/machine learning (AI/ML) capabilities is unquestionably on the rise, as the United States and other nations seek to increase their military strength. Less clear is the ranking of those nations – who is leading the way in AI/ML? How does U.S. AI/ML research and development compare to other nations, such as China?

This webinar presentation will summarize a recent global AI/ML landscape report to provide the audience a nuanced analysis of who’s leading in the AI/ML landscape, including top researchers, key research hubs, and patterns of collaboration among nations. LEARN MORE

EVENTS

Fundamentals of Random Vibration and Shock Testing (San Diego, CA)
November 9-11, 2021

Space Resiliency Summit
December 1-2, 2021

Joint Army-Navy-NASA-Air Force (JANNAF) December Subcommittee Meetings
December 6-16, 2021

Defense Manufacturing Conference (DMC)
December 13-16, 2021

The 68th Annual Reliability and Maintainability Symposium
January 24-27, 2022

2022 Personnel Recovery (PR) Modernization
February 7-11, 2022

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

New Annual Rifle Qual: A Shooter’s Perspective

U.S. Marine Corps

U.S. Military’s “Active Denial System” Is a 95-GHz Heat Ray

U.S. Department of Defense

Army Delivers First Hypersonics Ground Equipment

U.S. Army

One Scientist’s Trash Is Another’s Treasure: A Laboratory’s “Irritating” Byproduct Now Supplies 2-D Materials Research

Ames Laboratory

Secretary of the Air Force Calls for “Technically and Operationally Innovative Approaches” to Meet Logistics Challenges

U.S. Air Force

Rapid Pulse Laser Weapons Could Be the Pentagon’s Future Edge

DVIDS