2023 Space & Missile Defense Symposium Technology Track
August 8-10, 2023 – Huntsville, AL
Please Consider Submitting an Abstract

Abstracts are due June 2, 2023 and final briefings are due July 14, 2023

Cyber Resiliency & Artificial Intelligence/Machine Learning

The rapid emergence of Artificial Intelligence (AI) and Machine Learning (ML) based methodologies offers a tremendous opportunity for the United States to maintain and extend our competitive edge and Cyber Resiliency in space and missile defense applications. Surveillance and reconnaissance, guidance and control, maintenance and health monitoring, cybersecurity, biomedical, among many other fields, may benefit greatly from and be transformed significantly by AI/ML in the near future. Advancing the nation's capabilities in Cyber Resiliency and AI/ML to ensure that solutions are robust, secure, and accurate is critical and depends on innovations in many key areas.

Abstracts are encouraged that address: Cyber Resiliency, Data Collection and Generation, Algorithms and Architectures, Testing, Development, and other related topics, which discuss methods, technologies, and processes that facilitate development of novel AI/ML solutions or improve systems. Case studies involving validation and verification in simulated, benchtop, or real-world environments and methods to review new technologies are also desired.

SMD Technologies – Author's Choice

Each year, potential authors submit abstracts outside the posted Call for Paper topics based on their current research and development or particular personal interest. Unfortunately, time limitations usually prevent these abstracts from consideration and presentation. For 2023, in addition to the specific Cyber Resilience & Artificial Intelligence/Machine Learning topic, the Technology Committee encourages abstracts relevant to Space and Missile Defense Technologies that leverage the creativity of our community and provide insight into their own interests.

Criteria & Submission

Selection for this Symposium is based on an **Abstract of no more than 2 pages** describing the proposed technical briefing. The Abstract must describe the basis of the work and include sufficient detail to allow evaluation of the work. No exceptions will be made. For those topics selected for presentation, a 20-minute PowerPoint briefing will be prepared and presented as part of the Symposium Technology Track. All Abstracts and PowerPoint briefings must be approved for Public Release. Authors will be notified of their selection status.

**Prospective authors are asked to submit their work or questions electronically to
stephen.cayson@cfd-research.com prior to the posted deadlines.**

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