



SPACE & MISSILE DEFENSE  
SYMPOSIUM

August 10-12, 2021

SMD – Space & Missile Defense Symposium

**CALL FOR PAPERS**

## **2021 Space & Missile Defense Symposium Technology Track**

**August 10-12, 2021 – Huntsville, AL**

**Please Consider Submitting an Abstract**

**Abstracts are due June 4, 2021 and final briefings are due July 16, 2021**

### **Weather Intelligence & Data Processing**

Weather and Environmental Intelligence in the battlespace can be a critical factor for increasing the probability of a successful mission. The growth of weather and environmental data availability provides an opportunity for the United States to maintain and extend our competitive edge in military, space, and commercial applications. Weather and environmental factors can affect sensor performance, logistics, health, communication, and more. The amount of weather data available provides a big data opportunity and challenge to leverage the information effectively. The access to weather data, the processing of weather data, and increased spatial and temporal resolution requires the development of innovative applications to balance data overload challenges. Extracting necessary intelligence from weather and environmental data is critical to maintaining a competitive edge. Abstracts are encouraged that address: weather and environmental data collection and access, integrating weather data from non-traditional sources, novel data processing techniques, data assimilation into numerical weather prediction, development or application of novel dual-use or cross-disciplinary solutions, and weather's impact on sensor performance.

### **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 2021, in addition to the specific Weather Intelligence & Data Processing 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 at the Unclassified level. Authors will be notified of their selection status.

**Prospective authors are asked to submit their work or questions electronically to [stephen.cayson@cfdr.com](mailto:stephen.cayson@cfdr.com) prior to the posted deadlines.**

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