



August 8-10, 2017

SMD – Space & Missile Defense Symposium

## CALL FOR PAPERS

**2017 Space & Missile Defense Symposium Technology Track**

**August 8-10, 2017 – Huntsville, AL**

**Please Consider Submitting an Abstract**

**Abstracts are due May 19, 2017 and final briefings are due July 14, 2017**

### Virtual and Augmented Reality

Virtual Reality and Augmented Reality technologies have improved greatly the last few years and are readily accessible and affordable for private consumers and industries. This topic seeks to explore the potential application of virtual and augmented reality in the research, development, testing, training, and fielding of space and missile defense systems. What role does virtual reality play in the development of new capabilities for systems? Can augmented reality overlays enable warfighters to use deployed systems in enhanced ways? How are augmented and virtual realities blended to increase immersion and improve training? Abstracts addressing these and related topics are encouraged.

### Model-Based Systems Engineering

The Model-Based Engineering Subcommittee of the National Defense Industrial Association (NDIA) defines model-based systems engineering as an “approach to engineering that uses models as an integral part of the technical baseline that includes requirements, analysis, design, implementation, and verification of a capability, system, and/or product throughout the acquisition life cycle.” This topic explores the application of MBSE methods to the life cycle of space and missile defense systems. How can MBSE be used as a decision aid to develop requirements? What relationship does MBSE have with high-fidelity simulations of weapon systems? Are MBSE system architectures extensible and translatable to deployed capabilities?

Abstracts addressing these and related topics are encouraged.

### Criteria

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.

### Submission

Prospective authors are asked to submit their work or questions electronically to [smdtech@smdsymposium.org](mailto:smdtech@smdsymposium.org) prior to the posted deadlines.

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