NDIA

22ND ANNUAL SYSTEMS & MISSION ENGINEERING CONFERENCE

OCTOBER 21-24, 2019, HILTON DOWNTOWN, TAMPA FLORIDA

CALL FOR ABSTRACTS

ANNOUNCEMENT

The 22nd Annual Systems and Mission Engineering Conference will convene on **October 21-24, 2019,** at the Hilton Downtown Hotel, Tampa, FL.

After many years as the Systems Engineering Conference, the National Defense Industrial Association (NDIA) has broadened the concept of this conference to Systems and Mission Engineering to acknowledge the Department of Defense (DoD) focus on Mission Engineering.

Systems Engineering entails the foundational engineering functions to ensure successful program integration and execution while maintaining cost, schedule, and performance goals. As an element of Mission Engineering, Systems Engineering adds the rigor to the all-important Warfighter focus.

The Department of Defense continues to seek ways to improve the acquisition of military equipment and capabilities to protect the United States and its allies worldwide. The Department views Systems Engineering, and the Mission Engineering construct, as essential to improving defense acquisition and program execution to achieve more effective and affordable military systems. The Department emphasizes Systems and Mission Engineering throughout a program, including attention to risk and opportunity, as a key enabler of successful programs, fielded defense systems, and mission success.

This NDIA Systems Engineering Division sponsors the Systems and Mission Engineering Conference in collaboration with the NDIA Integrated Program Management Division, IEEE Aerospace and Electronic Systems Society, and the IEEE Systems Council, with support from the Office of the Under Secretary of Defense for Research and Engineering (OUSD(R&E)).

CONFERENCE OBJECTIVES

The conference brings together defense community members from industry, government, and academia to highlight ways to improve defense acquisition and performance. This conference provides an interactive forum for Program Managers, Systems Engineers, Chief Scientists, and Engineers and Managers from the Requirements, Design, Verification, Support, Logistics, and Test communities from both Government and Industry. Participants will have an opportunity to shape policy and procedures by exchanging innovative methods and lessons learned in the following specific areas:

- Acquisition Agility
- Agile Systems Engineering
- Aging Aircraft
- Application of Industry Systems Engineering/ Mission Engineering Best Practices, Tools, Methodologies & Technologies
- Architecting and Architecture
- Capability Maturity Model Integration (CMMI®)
- COTS Integration
- Development Planning
- Development Test & Evaluation – Systems Engineering Interaction
- Digital Engineering Implementation and Infrastructure
- Engineered Resilient Systems (ERS)
- Environmental Safety & Occupational Health
- Human Systems Integration
- Improve Mission Readiness & Systems Availability
- Integrated Diagnostics/ Prognostics/Enterprise Health Management
- Integrated Risk and Opportunity Management
- Interoperability in a Net Enabled Operations Environment
- Life Cycle Systems & Program Management Improvements
- Mission Engineering/Mission Assurance
- Model-based Systems Engineering/Model-centric Engineering – Applications & Project Experience
- Modeling & Simulation – Design & Methodology
- Modular Open Systems Approach (MOSA)
- Program Management
- Role of SE in IV&V
- Software Intensive Systems
- Specialty Engineering
- Sustainment of Legacy Systems
- Systems Engineering Education & Training
- System of Systems
- Systems Security Engineering and Assurance
- Test & Evaluation – Systems Engineering Interaction

CALL FOR ABSTRACTS

Interested participants are invited to submit a short (5000 characters/ estimated # words maximum) abstract of a presentation for a topic as listed to the left. Abstracts must fully describe the planned content and how the presentations will advance the objectives of the conference and session. All accepted presentations will be delivered at the conference in electronic format; full papers are optional and are not required.

Abstracts must also include the following administrative information:
- presentation title
- author's name, title, and organization
- author's e-mail address, phone number, mailing address and the
- conference topic targeted.

Abstracts must be submitted no later than **Friday, May 17, 2019,** via the following web link:

http://application.ndia.org/abstracts/0870/

Abstracts will be accepted only through this web link, and all required information must be completed. Upon submission of the abstract you will receive an e-mail confirmation, and another when selected.

Conference paper authors and presenters are not exempt from conference registration fees.

Timeline for Abstract Review & Acceptance
May 17, 2019 – Deadline to submit abstracts
June 21, 2019– Send out acceptance notices and author/speaker guidelines
October 21 – 24, 2019 – Present at Systems & Mission Engineering Conference