

2017 IEEE International Symposium on SYSTEMS ENGINEERING

# **ISSE 2017**

Vienna, Austria – October 11-13, 2017

Vienna Marriott Hotel

## http://ieeeisse.org

## **CALL FOR PAPERS**

### SYMPOSIUM OBJECTIVE

This symposium seeks to create an interactive forum for the advancement of the practice of systems engineering across the multiple disciplines and specialty areas associated with the engineering of complex systems. The symposium will provide a venue for systems engineering practitioners, managers, researchers, and educators to exchange innovative concepts, ideas, applications, and lessons learned addressing:

- Applications-oriented topics on large-scale systems and systems-of-systems in topics noted on the right.
- Systems engineering, educations standards, processes and methodologies for the systems-of systems environment.
- Research opportunities and results relating to systems-of-systems.

#### IMPORTANT DATES

Initital Submission Deadline....May 19, 2017

Acceptance Notification......July 7, 2017

Final Paper Deadline......September 1, 2017

#### **COMMITTEE**

#### **General Chair**

**Bob Rassa** *Raytheon, USA* 

#### **Technical Program Chair**

**Paolo Carbone** *University of Perugia, Italy* 

#### **ORGANIZERS & SPONSORS**





#### **TOPICS**

- System Architecture and Architectural Frameworks
- Engineering Systems-of-Systems
- Risk Management of Complex Systems Environment
- Systems Reliability
- Engineering for Complex Systems Includes Process Improvement
  Quality Management
- Product Life-cycle Management Processes & Tools for Systems-of-Systems - Includes Configuration Management (CM), Requirements Management, Data Management Strategy (CMS), & Integrated Logistics Support
- Service Oriented Architectures
- Cyber Security Issues & Approaches for Complex Systems
- Enterprise Systems Engineering
- Agile Development Methods of Systems-of-Systems
- Modeling & Simulation
- Model-Based Systems Engineering
- Systems Verification & Validation
- Systems Engineering Competency, Education, & Training
- Program/Project Management for Complex Systems
- "Systems thinking" Benefits
- Technology Transfer Between Academia & Industry
- Societal & Political Impacts of Systems & Systems Design
- Diagnostics, Prognostics, & Enterprise Health Management
- Research in Systems Engineering
- Software Systems Engineering
- System-level Design
- HW/SW Co-design
- Virtual Prototyping
- Systems considerations about:
  - Autonomous Systems
  - Energy Management & Sustainability, Including Renewable Energy
  - Space & Communications Systems
  - Medical Systems
  - o Gaming & Entertainment Systems
  - Transportation Systems
  - O Sensors Integration & Application for a Net-centric Environment
  - Disaster Response
  - o Global Earth Observation
  - Large-Scale Systems Integration (in any application area)