



Vienna, Austria

2017 IEEE International Symposium on
SYSTEMS ENGINEERING

ISSE 2017

Vienna, Austria - October 11-13, 2017

Vienna Marriott Hotel

<http://ieeewise.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, education standards, processes and methodologies for the systems-of systems environment.
- Research opportunities and results relating to systems-of-systems.

IMPORTANT DATES

Initial 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
 - Gaming & Entertainment Systems
 - Transportation Systems
 - Sensors Integration & Application for a Net-centric Environment
 - Disaster Response
 - Global Earth Observation
 - Large-Scale Systems Integration (in any application area)