

SESC MBSE&DE IS 2023

2nd INTERNATIONAL SYMPOSIUM ON MODEL-BASED
SYSTEMS ENGINEERING AND DIGITAL ENGINEERING

Hybrid Event; Beijing, China
October 28-29, 2023 (temp)



CALL FOR PAPERS



This symposium seeks to create an interactive forum for the advancement of the practice of model-based systems engineering and digital engineering across the multiple domain and specialty areas associated with the systems engineering. The symposium will provide a venue for model-based systems engineering and digital engineering stakeholders to exchange innovative concepts, ideas, applications and lessons learned addressing:

- Model-based systems engineering including languages, tools and methodologies.
- Mode-based on mission-engineering, system of systems engineering and systems engineering
- Digital engineering, education, standards, processes and methodologies for the complex system development environment
- Research opportunities and results relating to mode-based systems engineering and digital engineering
- Industrial practices on model-based systems engineering and digital engineering
- etc.

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TOPICS

- Advanced systems engineering method for complex system development
- Architecture models for complex systems engineering
- Semantic modeling and mode-based systems engineering method
- Architecture modeling language and modeling tools
- Model-based systems engineering for cyber security
- Model-based systems engineering for mission and system of system development
- Digital twin and semantic modeling for complex system architecture design
- Process management and organization management of complex system
- Quality management and reliability management of complex system
- Trade-off and decision-making of complex system architecture
- Mission engineering and strategy definition
- Model-driven engineering
- Digital engineering
- Ontology engineering
- Meta-synthesis and advanced modeling
- Knowledge management and knowledge systems engineering
- Other related topics are welcome

SYSTEMS CONSIDERATIONS ABOUT

- Space and Communications Systems
- Aircraft system
- Automotive
- Autonomous Systems
- Energy Management and Sustainability, including Renewable Energy
- Medical Systems
- Transportation Systems
- Sensors Integration and Application for a Net-centric Environment
- Large-Scale Systems Integration
- Cyber physical system
- IOT systems

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Communications in Computer and Information Science

IMPORTANT DATES

Abstract Submission Due
March 30, 2023
Submission Due
June 15, 2023
Acceptance Notification
July 28, 2023
Final Paper Submission
August 23, 2023



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