

Call for papers

International Workshop on System Modeling, Simulation and Evaluation (SMSE)

May 22-24, 2017, Seoul, Korea

System Modeling, Simulation and Evaluation (SMSE) are vital technologies needed in Model-Based Systems Engineering (MBSE) to guide the design of complex systems. MBSE is the idea of achieving code reuse and perform maintenance and product development through the use of software modeling technology and by splitting the production of software into two parallel engineering processes namely domain engineering and application engineering. The improvement of System Modeling, Simulation, and Evaluation will improve the preference of MBSE. The SMSE workshop provides a forum to bring together researchers and practitioners working towards improving the System Modeling, Simulation, Evaluation, Model-based Systems Engineering and their related areas. It will bring together a diverse group of experts to advance the concepts and application of SMSE. This includes innovative methodologies, techniques, tools, management and applications in this challenging area, and provides a chance of exchanging ideas on them. The SMSE Workshop collaborates and is co-located with Future-tech, giving researchers and practitioners in the field a platform to present their results and experience to a broader audience.

The topics of interest include, but are not limited to:

- Challenges and technological advances for modeling & simulation
- Complex system modeling paradigms and languages
- Simulation Optimization
- Multilevel modeling and simulation
- Big Data Simulation & Decision Making
- Model reuse, repositories and retrieval
- Distributed modeling and simulation
- Enhancing the impact of modeling and simulation
- Domain Specific Modeling Applications
- Evaluation indexes for complex system
- Comprehensive evaluation method of complex system
- Reliability evaluation of complex system
- Domain modeling of systems engineering
- Technologies and Standards for MBSE
- Prototyping and Simulation of Systems Engineering
- Monitoring and Evolution of Systems Engineering
- Computational methods of MBSE
- Testing ,Analysis, Verification, Validation of MBSE
- Management Issues in MBSE
- Methods and tools of MBSE
- Applications and Empirical Studies of MBSE

Submission and Publication

There will be a combination of presentations including scientific papers. Prospective authors are invited, in the first instance, to submit papers for oral presentations in any of the areas of interest for this conference.

Please submit your paper (pdf format) directly to yxf@nuaa.edu.cn by the deadline.

Authors should submit a paper with 5~6 pages in length, including all figures, tables, and references. If you want to submit more than page limitation, you can add up to 2 extra pages (total MAX. 8 pages) with the extra page charges (100 USD per page).

Instructions for accepted papers in the Springer's LNEE is as follows (Note that the paper format of LNEE is the same as that of LNCS). Prepare your paper in the exact format as the sample paper for LNEE. Please read the authors' instructions carefully before preparing your papers. We accept both Microsoft Word and LaTeX format in the Lecture Note Series. Springer provides the relevant templates and sample files for both PC (sv-lncs.dot) and Mac (sv-lncs) environments. Please download word.zip form <http://www.futuretech-conference.org/2017/submission.php>.

All accepted papers will be submitted included in the conference proceedings as one of Lecture Notes in Electrical Engineering (LNEE) series published by Springer (indexed by EI & SCOPUS). Some selected good papers will be published in several journal special issues, which are indexed by SCI or SCIE (pending)

Important Dates

Paper Submission Due: March 30, 2017

Author Notification: April 15, 2017

Registration Due: April 25, 2017

Camera Ready Due: April 30, 2017

Conference Date: May 22-24, 2017

Honorary General Chair

Bo Hu Li, Beihang University, China

General Chairs

Xuefeng Yan, Nanjing University of Aeronautics and Astronautics, China

Neal N. Xiong, Colorado Technical University, USA.

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