

## TMS-DEVS'17

Theory of Modeling and Simulation/DEVS  
Symposium  
[www.tms-devs.org](http://www.tms-devs.org)

Spring Simulation Multi-conference 2017

**APRIL 23 - 26, 2017**  
Virginia Beach, VA

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The purpose of this symposium is to provide a forum to discuss recent advancements in M&S theory. The main focus is on modeling, methodology, practice and software to cope with the challenges arising out of these, as well as lessons learned and challenges. The Symposium bridges different areas in the field of theory of M&S, including formal modeling, model-checking, graph transformation, modeling methodologies. Topics of interest include (but are not limited to):

- **Theory**
  - Advances in Modeling Formalisms (DEVS, Petri nets, Statecharts, etc.)
  - Model Transformation
  - Model Checking and Verification
- **Modular Approaches to M&S**
  - Model Composition
  - Co-simulation
  - Interoperability
  - Modular Modeling of Hybrid Systems
  - Modular Modeling of Spatially Distributed Systems
  - Modular Representation of Numerical Solvers

# CALL FOR PAPERS



- **Complex Systems M&S**

- Multi-Paradigm/Multi-Domain Modeling
- Multi-Resolution/Multiscale Modeling
- Cyber-Physical Systems M&S
- Ultra Large Scale Systems M&S
- Systems of Systems M&S

- **M&S Technologies**

- Parallel/Distributed/Cloud-Based Simulation
- Real-Time and Interactive Simulation
- M&S of Embedded Systems

- **M&S Tools and Standards**

- Simulation Languages/Libraries
- Simulation Development/Visualization Tools
- M&S Repositories/Data Formats

## Submission Guidelines

Contributed papers are maximum of 12 pages long with single column format. If accepted and presented at the conference papers, will be submitted to the ACM Digital Library. Papers must not have appeared before or be pending in a journal or conference with published proceedings, nor may they be under review or submitted to another forum during SpringSim'17 review process. If a submission is rejected for paper presentation, it may still be suggested for submission and presentation as a work in progress (WIP) or poster. At least one author must register and present the paper/WIP/poster at the symposium. All submissions will be peer reviewed and feedback will be provided. The submission website is available at <http://www.softconf.com/sim/TMS-DEVS/>.

Please use the paper template provided in the conference website (<http://www.scs.org/springsim>). The use of the template will facilitate the prompt proceedings compilation and submission to the ACM Digital Library.

## Important Dates

Abstract Submission: October 15, 2016  
Abstract Feedback: October 30, 2016  
Full paper Submission: December 15, 2016  
Notification of Acceptance: January 31, 2017  
Camera-ready Paper: February 20, 2017



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