

CALL FOR PAPERS

TMS/DEVS'18

Theory of Modeling and Simulation/
DEVS Symposium

Spring Simulation Multi-conference 2018

April 15-18, 2018
Baltimore, Maryland

Organizing Committee

General Chair: Fernando Barros, barros@dei.uc.pt

General Co-Chair: Xiaolin Hu, xhu@gsu.edu

Program Chair: Joachim Denil, Joachim.Denil@uantwerpen.be

Program Co-Chair: Hessam Sarjoughian, Hessam.Sarjoughian@asu.edu

Advisory Committee

Bernard P. Zeigler, University of Arizona, USA (Chair)

Christos Cassandras, Boston University, USA

François Cellier, ETH Zürich, Switzerland

Kishor Trivedi, Duke University, USA

Mo Jamshidi, University of Texas at San Antonio, USA

Steering Committee

Gabriel Wainer, Carleton University, Canada (Chair)

Rhys Goldstein, Autodesk Research, Canada

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



THE SOCIETY FOR
MODELING & SIMULATION
INTERNATIONAL

Serving M&S for Over **60** Years

www.scs.org | P: (858) 277-3888 | F: (858) 277-3930 or (858) 633-1559 | scs@scs.org

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

Original, high-quality technical papers are solicited for review, possible presentation and subsequent publication in the conference proceedings. For further instructions, please refer to the Submission Instructions in the SCS Conference Proceedings Management System web site. Contributed papers are 8 pages long with double column format. They will be peer reviewed and – if accepted and presented at the conference - possibly submitted to the ACM and IEEE 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'18 review process. At least one author of an accepted paper must register for the symposium and must present the paper at the symposium. The submission website is available at <http://www.softconf.com/sim/DEVS18/>. For author guidelines on how to submit a paper, please see <http://scs.org/authorskit/>.

It is also possible to submit to the Work in Progress (WIP) or Posters tracks; more details will be announced on the website (<http://www.scs.org/springsim>). A submission may be rejected for paper presentation, but it may be suggested for submission and presentation as a work in progress or poster. At least one author must register and present the WIP/poster at the symposium.

Important Dates

Full paper submission: Nov. 23, 2017

Notification of acceptance: Jan. 12, 2018

Camera-ready paper: Feb. 23, 2018

CALL FOR PAPERS



Contact

General Chair: Fernando Barros, barros@dei.uc.pt

Additional Information

For additional information please visit TMS/DEVS'18 website (<http://www.tmsdevs.org>).

Follow us

