

**AToMS 2018****Applied Theory of Modeling and Simulation****July 9-12, 2018****Bordeaux, France**

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Aims and Scope

Real-world applications were originally the driving force for the development of Modeling and Simulation (M&S) theories. After that, Theory of Modeling and Simulation (TMS) was conceived as a necessary artifact to develop models and simulations with theoretical background.

The purpose of this track is to provide a forum to show recent success stories about the application of M&S theories to the real world. The aim is to bring rigorous experimental, computational practice of TMS devoted to the study of real-world problems.

Topics

Recommended topics in the track include, but are not limited to, the following:

- Advances in the field of TMS for implementation purposes
- Application of modeling formalisms (DEVS, Petri Nets, Statecharts, etc.) in real-world applications
- Rigorous comparisons across TMS techniques in real-world applications
- New applications of TMS to real-world problems
- Novel uses of TMS in the real world
- Application of TMS to co-design, hardware-in-the-loop, co-simulation
- Application of TMS in the development of Embedded and Cyber Physical Systems

CALL FOR PAPERS



Nevertheless, different topics concerning Practice of TMS are welcome. Authors are kindly invited to include in their papers and presentations all the research works, case studies and application.

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 12 pages long with single column format. For author guidelines on how to submit a paper, please go to <http://scs.org/authorskit/>. They will be peer reviewed and – if accepted and presented at the conference - submitted to the ACM & IEEE Digital Libraries. 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 SummerSim'18 review process. At least one author of an accepted paper must register for the symposium and must present the paper at the symposium.

Important Dates

Paper Submission: March 30, 2018

Author notification: May 4, 2017

Camera-ready paper submission: May 25, 2018

International Program Committee

- Abdurrahman Alshareef, Arizona State University (USA)
- Saurabh Mittal, Modeling & Simulation Technology Center (MITRE) (USA)
- Luis Gustavo Nardin, Brandenburg University of Technology (Germany)
- Josué Pagán, Complutense University of Madrid (Spain)
- Eugene Syriani, University of Montreal (Canada)
- Mamadou Kaba Traoré, Université Clermont Auvergne (France)
- Alfonso Urquia, National Distance Education University (Spain)
- Gregory Zacharewicz, University of Bordeaux (France)
- Bahram Zarrin, Tech. Univ. of Denmark (Denkmark)

Contact

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