



GCMS 2018

Grand Challenges in Modeling and Simulation

July 9-12, 2018

Bordeaux, France

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Modeling and simulation (M&S) have emerged to be invaluable tools for addressing and solving problems virtually and in real time in almost all fields. Research and development in M&S have been revolutionary in the late 20th century and 21st century which made M&S to be both intra and inter disciplinary. State of art M&S such as parallel and distributed simulations, supercomputing, grid computing, cloud computing, complex adaptive systems, data modeling, stochastic modeling and simulation, high speed optimization and network simulation are the different themes that are evolving on a continuous basis. The current research in M&S is very diverse mostly focusing on designing and implementing new methodologies, improving the existing methodologies and minimizing the limitations in terms of their applicability to multidisciplinary fields. This creates a challenge for authors seeking a venue to publish research contributions that would advance, facilitate and coordinate several aspects of M&S.

To address this need, we are instituting a special track dedicated to contributions in Grand Challenges in Modeling & Simulation. Authors are invited to submit their papers in the following areas:

- Modeling, simulation, and optimization of complex systems
- Simulation software environments
- Multi-party, multi-disciplinary techniques for dealing with uncertainty
- Model reduction
- Multi-level modeling
- High-speed real-time simulation
- Simulations of social systems and human behavior
- Agent based modeling

CALL FOR PAPERS



- Discrete-event modeling
- Data mining and visualization

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 go to: <http://scs.org/authorskit/>. They will be peer reviewed and – if accepted and presented at the conference - possibly submitted to the ACM and 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

Full Paper submission: March 30, 2018

Author Notification: May 4, 2018

Submission of WIP papers: May 11, 2018

Notification of WIP papers: May 18, 2018

Camera-ready Paper: May 25, 2018

Contact

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