



2017 Summer Simulation Multi-Conference (SummerSim 2017)

49th Summer Computer Simulation Conference (SCSC 2017)

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GRAND CHALLENGES IN MODELING AND SIMULATION (GCMS'17)

TRACK CHAIRS

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AIMS AND SCOPE

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.

TOPICS

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
- Discrete-event modeling
- Data mining and visualization

SUBMISSION GUIDELINES

For submission guidelines go to <http://scs.org/authorskit/>. Papers should be submitted through the following link: <http://www.softconf.com/sim/SCSC17/>.