2016 ACM SIGSIM Conference on Principles of Advanced Discrete Simulation (ACM SIGSIM PADS) Call for Papers

----
When: May 15, 2016 – May 18, 2016
Where: Banff, Alberta, Canada
Website: http://www.acm-sigsim-pads.org
Paper submission:
https://easychair.org/conferences/?conf=2016acmsigsimpads

Important Deadlines

Regular Paper Submission: January 8, 2016
Short Paper Submission: February 1, 2016
Regular/Short Paper Notification of Acceptance: February 22, 2016
Regular/Short Paper Camera-Ready Version: March 23, 2016
Ph.D. Colloquium Submission: March 1, 2016
Ph.D. Colloquium Notification of Acceptance: March 15, 2016
Author Registration Deadline: April 8, 2016
Early Registration and Hotel Deadline: April 15, 2016

The ACM SIGSIM Conference on Principles of Advanced Discrete Simulation (ACM SIGSIM PADS) continues its reputation for high quality papers. SIGSIM PADS is the flagship conference of ACM's Special Interest Group on Simulation and Modeling (SIGSIM).

The ACM SIGSIM PADS conference focuses on cutting-edge research that lies at the intersection of Computer Science and Modeling and Simulation (M&S). High quality papers are solicited in all aspects of M&S, including (but not restricted to) the following areas:

- Advanced modeling techniques, including reuse of models, new modeling languages, agent-based M&S, and spatially explicit M&S.
- Algorithms and methods for parallel or distributed simulation, including synchronization, scheduling, memory management, load balancing, and scalability issues.
- New simulation algorithms and techniques including hybrid simulation approaches, adaptive algorithms, approximations, GPU, FPGA and hybrid architecture acceleration.
- Integration of simulation with other IT systems, methods, and developments including simulation based decision-making, visual analytics, intelligent support in M&S, and simulation in cloud computing environments.
- Mechanisms for efficient design of experiments, including dynamic verification and validation of models, and automatic simulation model generation and initialization.
- M&S applied to manage and/or optimize operational systems and methodological challenges arising from these applications including online simulation, symbiotic simulation, dynamic data--driven application systems, real--time and embedded simulation, and emulation of real systems.
- Tools and techniques for interoperability and composability of simulations including emerging standards and service- oriented approaches.
- Case studies considering the application of new or advanced computational methods to applications of contemporary interest.

Short Papers

The ACM SIGSIM PADS organizing committee is soliciting short papers to be presented at the conference. Short papers can be up to 4 pages long, and should describe interesting, novel research that is in an early stage of development or position papers of interest to the community. All short papers will be fully reviewed and will be published in the conference proceedings and included in the ACM Digital Library. At least one author is required to attend the conference and present their work in a time slot of 10 to 15 minutes.

PhD Colloquium

ACM SIGSIM PADS also invites students to take part in the PhD Colloquium and Poster Session at the 2016 ACM SIGSIM PADS. Travel awards are available for students taking part. More details available at http://www.acm-sigsim-pads.org/PhDColloquiumAwardCall.htm

----
Organizing Committee

General Chairs
Richard Fujimoto (Georgia Institute of Technology)
Brian Unger (University of Calgary)

Program Chair
Christopher Carothers (Rensselaer Polytechnic Institute)

Local Arrangements Chair
Brian Unger (University of Calgary)

Ph.D. Colloquium Chair
Philip Wilsey (University of Cincinnati)

Publicity Chair
Dong (Kevin) Jin (Illinois Institute of Technology)

Proceedings Chair
Jason Liu (Florida International University)
Miami, Florida USA

Registration Chair
Holly Rush (Georgia Institute of Technology)