

2019 Winter Simulation Conference

Conference Theme: *Simulation for Risk Management*

General Chair: *Young-Jun Son* Program Chair: *Peter Haas*

When: December 8-11, 2019

Where: Gaylord National Resort & Conference Center, National Harbor, Maryland

<http://www.wintersim.org>

WSC 2019 will focus on the use of simulation to address a wide range of individual and societal risks.

From its very beginnings over 70 years ago, simulation has been a powerful tool for assessing potential risks and guiding us in making decisions under uncertainty. The 2019 conference seeks to highlight the latest simulation technologies for more accurately anticipating risks and for making more robust decisions in the face of uncertainty, ambiguity, and variability. These include methods for robust and accurate simulation modeling, analysis, and optimization. We also invite papers describing applications of simulation to risk management in a broad variety of domains, including healthcare, disaster response, power grids, construction, transportation, finance, cybersecurity, and more.

PROGRAM

WSC 2019 will feature a comprehensive program ranging from introductory tutorials to state-of-the-art research and practice. Planned tracks are:

- Advanced Tutorials
- Agent-Based Simulation
- Analysis Methodology
- Aviation Modeling and Analysis
- Big Data in Simulation
- Case Studies
- Complex, Intelligent, Adaptive and Autonomous Systems (CIAAS)
- Cybersecurity
- Environment Sustainability and Risk
- Financial Risk Management
- Gaming
- Healthcare
- Hybrid Simulation
- Introductory Tutorials
- Logistic, Supply Chains, Transportation
- Agent-Based Simulation
- Modeling and Analysis of Semiconductor Manufacturing (MASM)
- Manufacturing Applications
- Military Applications
- Modeling Methodology
- Networks and Communications
- PhD Colloquium
- Poster Session
- Project Management and Construction
- Risk Analysis
- Safety Applications
- Scientific Applications
- Simulation Education
- Simulation Optimization
- Uncertainty Quantification and Robust Simulation
- Vendor

2019 KEYNOTE

Modeling and Simulation for Reducing the Risks Associated with Extreme Weather — Dr. Robert Atlas, Director, National Oceanic and Atmospheric Administration (NOAA) Atlantic Meteorological Laboratory

"TITANS OF SIMULATION" SPEAKERS

Dr. Peter Glynn— Thomas Ford Professor, Stanford University

Dr. Margaret Loper— Chief Scientist, Georgia Tech Information & Communications Laboratory

PAPER DEADLINES AND REQUIREMENTS

Contributed Paper Deadlines

- **April 5, 2019:** Electronically submit contributed papers not previously published or presented. Each submission must be use the Word or LaTeX templates on the Authors Kit. The page size in the proceedings is 8.5 by 11 inches (21.6 cm by 27.9 cm). Papers should be at most 12 pages (including an abstract of not more than 150 words), except for introductory tutorials, advanced tutorials, and panel sessions, for which the limit is 15 pages. Submission implies that an author will attend WSC 2019 and present the paper, and all clearance required for publication of the paper will be obtained by July 15, 2019. Use of the authors' templates in one of the following formats is required: Microsoft Word or LaTeX. Submissions must be made through the WSC website.
- **May 31, 2019:** Notification of acceptance
- **June 29, 2019:** Authors electronically submit corrected papers to the Proceedings Editor.
- **July-August 2019:** The Proceedings Editors contact authors with formatting-related queries and corrections, with individual deadlines for submitting the camera-ready copy.

Poster Session or Ph.D. Colloquium (One or the other, submission to both Poster Session and the PhD Colloquium is not allowed for 2019)

- **August 2, 2019:** electronically submit 2-page extended abstracts for presentations in the Poster Session and Ph.D. Student Colloquium.
- **August 28, 2019:** Notification of acceptance to authors (including details about submitting slides, and formats of the posters).
- **September 7, 2019:** Final extended abstracts due.
- **October 25, 2019:** Slides for the presentation due (see guidelines in the track information)
- **December 8, 2019:** Bring your poster to WSC 2019. The Poster Madness Session and Ph.D. Colloquium both run on Sunday December 8, so participation in both is not possible.

Case Study Deadlines

- **August 2, 2019:** electronically submit 2-page extended abstracts for presentations.
- **August 28, 2019:** Notification of acceptance to authors (including details about submitting slides, and formats of the posters).
- **September 7, 2019:** Final extended abstracts due.

WSC 2019 is sponsored by ACM/SIGSIM, ASA (Technical Co-Sponsor), ASIM (Technical Co-Sponsor), IEEE/SMC (Technical Co-Sponsor), IISE, INFORMS-SIM, NIST (Technical Co-Sponsor), SCS, and ORS (UK, Technical Sponsor).

STUDENT TRAVEL SCHOLARSHIPS

A limited number of need-based travel grants will be available to students. Grant application requests should be sent to the Program Chair (phaas@cs.umass.edu) prior to August 1, 2019, and include the requestor's name, institution, title of accepted paper, amount requested, recommendation letter from advisor and justification for the award.

Best Regards,

2019 WSC Publicity Chairs,

Chao Meng, Valdosta State University

Oliver Rose, Universität der Bundeswehr München

Victor Chan, Tsinghua-Berkeley Shenzhen Institute, Tsinghua University