
Welcome Letter

Welcome from the SpringSim'20 Conference Chairs

On behalf of the Organizing Committee, it is our pleasure to welcome you to SpringSim'20, the 2020 Spring Simulation Conference, organized by the Society for Modeling and Simulation International (SCS), which is the World's first-born international Modeling and Simulation (M&S) society. SCS, from its foundation in 1952, has effectively engaged our community and continues to play a significant role in advancing research and its contribution to practice.

SpringSim'20 is held as a virtual event due to the current limitations imposed by the Covid-19 pandemic. The online format brings important changes in the conference organization. Different time zones have required sessions to be organized in a limited time interval. Presentations' time has been shortened, and the number of parallel tracks was reduced to two.

We have an exciting program to offer our attendees this year. This includes presentations of peer-reviewed original research papers, expert panel discussions, tutorials delivered by international experts that provide their knowledge to our community, and student demos and posters. This year's conference consists of the following tracks: Annual Simulation Symposium (chaired by Erika Frydenlund and José Luis Risco Martín), Artificial Intelligence and Simulation (chaired by Joon-Seok Kim and Andreas Zufle), Complex, Intelligent, Adaptive and Autonomous Systems (Chaired by Saurabh Mittal), Cyber Physical Systems (chaired by Akshay Rajhans and Nikos Arechiga), Cyber Security Engineering (chaired by Sachin Shetty and Danda Rawat), Communications and Networking Simulation (chaired by Abdolreza Abhari and Ala'a Al-Habashna), High Performance Computing (chaired by Dongyoon Lee and Shaikh Arifuzzaman), Humans, Societies, and Artificial Agents (chaired by Philippe Giabbanelli and Andrew Crooks), Model-Driven Approaches for Simulation Engineering (chaired by Andrea D'Ambrogio and Umut Durak), Modeling and Simulation in Medicine (chaired by Jerzy Rozenblit and Johannes Sametinger), Modeling and Simulation for Smart Energy Systems (chaired by James Nutaro and Ozgur Ozmen), and Theory and Foundations of Modeling and Simulation (chaired by Joachim Denil, Hessam Sarjoughian, Gabriel Wainer, and Cristina Ruiz).

We would like to express our sincere gratitude to track chairs, as well as to the technical program committee and reviewers for their time and expertise, and for the effort spent during the rigorous peer reviews process, which made it possible to set up a program of

selected and high-quality presentations. We also express our gratitude to authors and tutorial presenters for submitting their relevant work to SpringSim'20.

SpringSim'20 has the technical co-sponsorship from both the Association of Computing Machinery (ACM) the Computer Society of the Institute of Electrical and Electronics Engineers (IEEE Computer Society). ACM is the world's largest educational and scientific computing society, delivering resources that advance computing as a science and a profession. IEEE is the world's largest technical and professional organization dedicated to advancing technology for the benefit of humanity. SCS' co-sponsorship agreements with both ACM and IEEE allows the SpringSim'20 conference papers to be archived in both the ACM Digital Library and the IEEE Xplore digital library.

This year we are also continuing an initiative launched in recent years, the M&S Demo Session and Student Colloquium (led by Salim Chemlal), through which authors and especially students are encouraged to showcase running simulations that they have authored in contributed papers.

Our sincere gratitude goes to the members of the Organization Committee, for their dedicated and tireless effort. The committee consists of Umut Durak (Publicity Chair), Alberto Del Barrio Garcia (Proceedings Chair), Krzysztof Rechowicz (Tutorial Chair), Saikou Y. Diallo (Sponsorship Chair), and Andrea D'Ambrogio (Awards Chair). It was truly a team effort.

Special thanks go to the SCS Executive Director, Oletha Darensburg, and to Carmen Ramirez, for the expert and smooth running of conference coordination activities. Our profound gratitude goes finally to Andrea D'Ambrogio, Vice President for SCS Conferences, for their exceptional support in shaping various aspects for SpringSim'20 over the organization process.

We wish you a great time during SpringSim'20, and we look forward for your participation in future SCS events.

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