



MSEE 2018

Modelling and Simulation in Engineering Education

July 9-12, 2018

Bordeaux, France

Track Chairs: *Gunter Brenner, Technische Universität Clausthal, Germany, gunther.brenner@tu-clausthal.de*
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Aims and Scope

The newly established track “Modeling and Simulation in Engineering Education” calls for contributions introducing innovative ideas, experiences and practice on applying and developing models and simulation methods in engineering education.

Simulation sciences is presently establishing as a new scientific discipline with huge impact in all STEM related areas. In industry, especially in engineering sciences such as in the automotive or the chemical industry, simulations are nowadays an everyday tool. Despite the great potential of simulation as a new instrument to improve knowledge global deficits in training can be observed. Due to the high dynamics in the field of simulation sciences, the higher education institutions are faced with the challenge of implementing and dynamically developing suitable curricula, depending on the subject and the profile of the university. Despite the fact, that many new curricula emerged in recent years such as computational science and engineering, there is still a lack of suitable training at different levels for established technical and engineering curricula. In doing so, the entire simulation process should be considered. This MSEE 2018 track will bring together nationally and internationally renowned researchers, technologists, and practitioners to present their latest research, technology, and practices in the area of modeling and simulation in engineering education.

Topics

Topics include, but are not limited to:

CALL FOR PAPERS



- New practices including concepts and skills of curricula and training in modelling and simulation in engineering sciences
- Deployment of digital media and laboratory experiences in education in the context of simulation sciences
- Education and instructional technology, ranging from educational techniques to methodologies to tools and best practices.
- Assessment methods and program evaluation associated with modelling, simulation and computation practices.
- Research methods and evidence of student learning and engagement with modelling, simulation and computation practices.

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 2, 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

For questions, please contact track chairs or scs@scs.org | (858) 277-3888