

Call for Papers

The 56th Conference on Simulation and Modeling (SIMS 56)

Conference 7-9 October 2015
“Modeling, Simulation and Optimization”

In 2015, the 56th Conference on Simulation and Modeling will be held in Linköping, Sweden.

The SIMS 56 will cover broad aspects of simulation, modeling and optimization. The ambition of the SIMS 56 is to present the field of modeling and simulation as a key technology for developing competitive, reliable, sustainable and future proof energy supply solutions. The scientific program will include technical sessions with submitted and invited papers, and might be open for poster sessions and vendor demonstrations. The conference papers will be published in LiU Electronic Press, which is an open access archive.

Homepage of SIMS 56

<https://www.openmodelica.org/events/sims-2015>

Contact Information

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SIMS 56 Conference Themes

Topics for the conference include any application of modeling and simulation in general, and papers within this year's headline “broad aspects of simulation, modeling and optimization” with focus on energy application are especially welcome. Topics of interest are:

- Modeling Tools Numerical methods for simulation
- Simulation tools and Technology
- Visualization of modeling and simulation results
- Training simulators and real-time simulation
- Simulation in Control of energy systems
- Thermal power plants
- Refrigeration systems
- Heat pumps
- Wind power
- Photovoltaics/solar power
- Geothermal systems
- Hydro power
- Wave and tidal power
- Carbon capture and storage
- Energy storage
- Bio energy and biofuels
- Oil and gas exploration
- Energy system optimization
- Energy planning
- Energy and climate
- Environmental impact of energy conversion
- Process Plant Simulation
- Simulation in industrial energy systems
- Simulation in the energy sector
- Power station design
- Simulation in chemical process engineering
- Simulation in electric power systems
- Simulation in mechatronic energy systems
- Simulation of marine energy systems
- Performance monitoring and Diagnostics
- Fuel cells
- Hybrid and electrical vehicles
- Oil and gas production

Proposals for special topics are welcome. Please forward suggestions to the Organizing Committee.



Important Dates

March 20 - Submission of Abstracts
April 10 - Notification of acceptance of Abstracts.
May 29 - Submission of papers for review
June 30 - Comments from scientific committee
August 14 - Camera-ready manuscript
August 14 - Deadline for Early Registration
October 7-9 - Conference 2015

Program Chairs

Lena Buffoni, Linköping University
Adrian Pop, Linköping University
Bernhard Thiele, Linköping University

National Organizing Committee

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Adrian Pop, Linköping University
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