

67th International Conference of Scandinavian Simulation Society (SIMS 2026)

Information

Mälardalen University in collaboration with Mälardalen Industrial Technology Center, Linköping University, and Blekinge Institute of Technology invite you to submit a paper to SIMS 2026.

Date: 16-17 September 2026

Location: Eskilstuna, Sweden

SIMS 2026 is co-sponsored by the International Federation of Automatic Control (IFAC).

Main co-sponsoring IFAC Technical Committee

3.2 Computational Intelligence in Control

Co-sponsoring IFAC Technical Committees

5.1 Manufacturing Plant Control

6.1 Chemical Process Control

6.2 Mining, Mineral and Metal Processing

6.3 Power and Energy Systems

6.4 Fault Detection, Supervision & Safety of Technical Processes

7.1 Automotive Control

7.2 Marine Systems

9.4 Control Education

SIMS 2026 conference covers broad aspects of recent research and development work in modeling, simulation and optimization in engineering applications. The scientific program will include technical sessions with submitted papers, industrial sessions with discussion contributions, keynote presentations, and a poster session. Ph.D. students are particularly encouraged to contribute with papers according to the conference themes.

The conference proceedings will be published in open-access form on *IFAC-PapersOnLine*.

Important Dates

- **February 1** - Abstract submission (250 words)
- **February 27** - Abstract notification of acceptance
- **April 30** - Full paper submission (6 pages)
- **June 26** - Full paper notification of acceptance and review comments
- **August 21** - Camera-ready manuscript
- **September 16-17** - SIMS conference

Please note the possibility of submitting a *2-page discussion paper* instead of a full paper, particularly for topics of significant industrial relevance. You will still need to submit a 250-word abstract by February followed by the discussion paper by May 21st. Discussion papers will be presented at the conference but will not be part of the proceedings. Presenters of discussion papers must register with full or 1-day registration. Registration opens in early 2026. To ensure broad participation and maintain a balanced technical program, each individual may serve as the corresponding author for no more than two (2) submitted papers. Authors may contribute to additional papers as co-authors, provided they will not be designated as the presenting author for those submissions

Important links

Submissions: <https://ifac.papercept.net/conferences/scripts/start.pl>

Conference website: <https://scansims.org/>

LinkedIn: <https://www.linkedin.com/company/scandinavian-simulation-society/>

Conference Themes

- Modelling and simulation for design, planning, optimization, control, and monitoring
- Tools for modelling and simulation, numerical methods for simulation, artificial intelligence (AI), and other novel techniques
- Visualization of modelling and simulation results
- Practical case studies of industrial automation and control, model- and simulation-based decision making, digitalization
- Use of modelling and simulation in STEM

Application areas

- Renewable energy systems: bioenergy and biofuels, geothermal, hydro, solar, thermal, wave, tidal, and wind energy
- Power and energy systems: electric power, energy storage, hydrogen technologies, fuel cells, heat pumps, industrial plants, energy use in buildings, power plants
- Transportation: automotive, combustion engines, hybrid and electrical vehicles, marine, infrastructure
- Industrial processes including chemical processes and chemical process control, manufacturing processes and production systems, mineral and mining processing, carbon capture and storage, oil and gas, and water treatment
- Cyber-physical systems, human-machine interaction, fault detection and resilience, safety, and technical processes
- Biosystems and medical systems

Venue

Mälardalen Industrial Technology Center (MITC), is a collaboration arena between industry and academia (www.mitc.se). MITC will host SIMS 2026, offering a combination of conferencing spaces with industrial technology, robots, smart systems, and digitalization infrastructure. Located at the historic district “Munktellsstaden” in the heart of Eskilstuna, SIMS 2026 brings industrial heritage together with digital futures.

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Use of AI

Authors and reviewers must follow the "IFAC Statement of the use of AI Tools" included in the Organizers Guide <https://www.ifac-control.org/conferences/organizers-guide-PDF/view>, where it is clearly explained what is expected from them in relation to the use of AI-tools in paper writing and reviewing.