

Call for Papers:

# SIMS EUROSIM 2020

## SIMS EUROSIM Conference on Modelling and Simulation

### Dear friends and partners,

It is our great pleasure to invite you to join us at the First SIMS EUROSIM Conference on Modelling and Simulation, SIMS EUROSIM 2020, which will take place on 22 - 24 September 2020 in Oulu, Finland. The background of this conference series is in the 60-years history of Scandinavian Simulation Society, SIMS. The conference will be organized every third year by SIMS and the Federation of European Simulation Societies, EUROSIM. The 61st International Conference of Scandinavian Simulation Society (SIMS 2020) is embedded with this first conference organized by SIMS, EUROSIM, the Finnish Automation Forum (FinSim), the Finnish Society of Automation (FSA) and University of Oulu. The Original Sokos Hotel Arina Conference Center in the middle of the city serves as the venue.

The SIMS EUROSIM 2020 provides a forum where automation professionals from industry and science exchange knowledge, experiences and strengthen multidisciplinary network. On the stage visions are presented and shared with old and new colleagues. The SIMS EUROSIM 2020 is expected to participants worldwide in the field of modelling and simulation. The EUROSIM 2016 Congress in Oulu had almost 200 participants from 33 countries. The program of the congress has a multi-conference structure with several special topics related to methodologies and application areas. The programme includes invited talks, parallel, special and poster sessions, exhibition and versatile technical tours.

We are inviting you to submit your contribution to the high standard international simulation conference.

Please visit <http://www.scansims.org/> and <http://automaatioseura.fi/simseurosims2020> for further information.

We look forward to meeting you in Oulu 2020!

*Esko Juuso, SIMS EUROSIM 2020 Chair,  
Bernt Lie, President of SIMS, IPC Chair and  
Jari Ruuska, NOC Chair*

SEPTEMBER  
22-24, 2020,  
OULU

ORIGINAL  
SOKOS HOTEL  
ARINA

## SAVE THE DATES

### Thematic session proposals and short abstracts

Proposals with abstracts	April 1, 2020
Notification of acceptance	April 20, 2020

### Full Scientific and Industrial Contributions

Full draft paper submission	May 31, 2020
Notification of acceptance	June 23, 2020
Final camera-ready manuscripts	August 14, 2020
Author registration	August 14, 2020

### Discussion and Student Contributions

Full draft paper submission	June 23, 2020
Notification of acceptance	July 15, 2020
Final camera-ready short papers	August 14, 2020
Author registration	June 10, 2020
SIMS EUROSIM Conference	September 22 - 24, 2020

## SIMS EUROSIM 2020 Secretariat

Finnish Society of Automation /  
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## Areas of interest

Conference topics include, but are not limited to:

- ▶ Adaptive dynamic programming and reinforcement learning
- ▶ Automotive applications e-science and
- ▶ E-Systems industry, business management, human factors and social issues
- ▶ Autonomous systems
- ▶ Bioinformatics, medicine, pharmacy and bioengineering
- ▶ Buildings and construction
- ▶ Circuits, sensors and devices
- ▶ Communication systems
- ▶ Computational finance & economics
- ▶ Condition monitoring, mechatronics and maintenance
- ▶ Control of intelligent systems
- ▶ Data & semantic mining
- ▶ Discrete event systems
- ▶ Energy and power systems
- ▶ Forest industry
- ▶ Hybrid and soft computing
- ▶ Image, speech & signal processing
- ▶ Intelligent systems and applications
- ▶ Internet modelling, semantic web and ontologies
- ▶ Mobile / Ad hoc wireless networks, mobicast, sensor placement, target tracking
- ▶ Neural networks, fuzzy systems & evolutionary computation
- ▶ Operations research
- ▶ Manufacturing and workflows
- ▶ Mining and metal industry
- ▶ Parallel and distributed architectures and systems
- ▶ Robotics, cybernetics, control engineering & manufacturing
- ▶ Security modelling and simulation
- ▶ Simulation methodologies and tools
- ▶ Systems intelligence and intelligence systems
- ▶ Transport, logistics, harbor, shipping and marine simulation
- ▶ Water, and wastewater treatment, sludge management and biogas production
- ▶ Virtual reality, visualization, computer art and games

## Exhibition and tutorials

Exhibition area is available for presenting products and services. The program includes vendor sessions to give short presentations for wide audience. Tutorials provide an additional option for longer presentations. Please visit <http://automaatioseura.fi/simseurosims2020> for further information and registration for exhibition and tutorials.

## Venue

The SIMS EUROSIM 2020 will be organized in the heart of the Oulu City at Original Sokos Hotel Arina's conference facilities, address: the 4th floor of the Valkea shopping centre, Isokatu 25, 90100 Oulu. Oulu, the capital of northern Scandinavia is located on the coast of the Gulf of Bothnia 220 kilometers south of the Arctic Circle and Lapland. Oulu offers the combination of a charming small city, urban Centre and dynamic university with 16 000 students. Oulu has been awarded as the most intelligent community in Europe 2012. The city provides free wireless Internet access to all its visitors

## Technical visits and social tours

Technical visit will be organized by Finnish Automation Support Ltd: registration at <http://automaatioseura.fi/simseurosims2020> Links will be provided for social tours arranged by service providers

## Submissions

Five types of contributions can be offered to the SIMS EUROSIM 2020 conference:

- ▶ **Scientific papers** must be written in English and will be accepted for presentation based on a peer review of the draft papers. The peer-reviewed conference articles will be published in Linköping Electronic Conference Proceedings Series <http://www.ep.liu.se/ecp/index.en.asp> .
- ▶ **Industrial papers** can be submitted as scientific papers. Additionally, industrial papers written in English, Finnish or Swedish can be submitted as full papers to be reviewed for publication in the conference proceedings published by The Finnish Society of Automation. Interesting case reports are welcomed as well.
- ▶ **Extended abstracts:** The presentation at the conference can also be accepted on the basis of extended abstracts without a full paper. Extended abstracts will be published by The Finnish Society of Automation.
- ▶ **Short papers:** Student/Discussion papers should follow the writing guidelines of scientific papers when applicable. The final guidelines will be available in review phase. Selected short papers will be published by Journal SNE, <https://www.eurosim.info/journal-sne>
- ▶ **Posters:** Submissions are accompanied with short papers or extended abstracts.

Further information available from <http://www.scansims.org/> and <http://automaatioseura.fi/simseurosims2020> EasyChair will be used for submission of all papers and abstracts. The site is open. Please follow the link <https://easychair.org/my/conference?conf=simseurosims2020>.

## Copyright

All publication material submitted for presentation at the congress must be original and hence cannot be already published, nor can it be under review elsewhere. The authors take responsibility for the material that has been submitted. For further information available from <http://automaatioseura.fi/simseurosims2020>.

## How to get

There are good flight connections to Oulu from all over the world via Helsinki. Numerous only one hour flights per day between Oulu and Helsinki are operated by Finnair [www.finnair.com](http://www.finnair.com) and Norwegian <http://www.norwegian.com/en/>. Oulu has frequent Pendolino and InterCity train connections with Helsinki and Tampere <https://www.vr.fi/cs/vr/en/frontpage>.