

SIAS 2024

12.-13.6.2024, TAMPERE FINLAND



SAFETY OF INDUSTRIAL AUTOMATED SYSTEMS - SIAS 2024 12. - 13. JUNE 2024, @ HOTEL ILVES, TAMPERE, FINLAND

Welcome to the SIAS 2024!

It is my pleasure to invite you to Tampere, Finland to participate in the Safety of Industrial Automated Systems - SIAS 2024 - Conference. The conference was previously held in Montreal, Bonn, Tampere, Chicago, Nancy and Tokyo. Tampere is a technology-oriented city and is home to, among others, Tampere University, research units of VTT Technical Research Centre of Finland, Forum for Intelligent Machines and various industrial facilities that apply automation and mobile machines. Technology has also been very important in the city's history. Electrical light lit up first time in Tampere already in 1882 - first in Nordic countries and fifth in Europe. Electric lights also provided a new technology to improve fire safety by replacing the gas light. Since then, several innovations have been developed and applied at Tampere. The conference venue, Hotel Ilves, is located in the Tampere city centre.

- **Timo Malm**, Chair of the NOC

SCOPE

Automation has reduced the frequency of man-machine physical interaction; however, it has increased the complexity of human interventions. Therefore, it is not always evident that when the degree of automation increases, the number of accidents decreases. Accidents often occur during maintenance, troubleshooting and repairing and usually because the machine starts up unexpectedly. Better understanding about these conditions of man-machine interface as well as development of methods, means and tools to control them needs to be considered. This conference takes a close look at research and development in industrial from safety viewpoint. The conference will be of interest to work systems end-users, designers and occupational health & safety experts interested in the general theme of Safety of Industrial Automated Systems. The planned topics describe a non-exhaustive list of suggested themes. Other topics related to the scope will be considered. Texts, posters and oral presentations will be in English.



PRELIMINARY PROGRAM

Tuesday 11.6.2024

- 18.00 Get together/welcoming reception at Vapriikki

Wednesday 12.6.2024

- 8.00 Registration + coffee
- 9.00 Opening: Welcome, Introduction to the topic, program introduction
- 9.20 Keynote: Minna Kettunen, Fastems Oy Ab
- 10.00 Session: Collaborative robots
- 12.00 Lunch and Exhibition
- 13.00 Session: Collaborative robots, Mobile machinery
- 14.00 Poster session + coffee
- 15.20 Protective devices and safety systems
- 16.40 Guidelines to dinner location Viikinsaari
- 17.30 Ferry curise to Viikinsaari
- 21.00 Ferry back to the town

Thursday 13.6.2024

- 9.00 Keynote: Otto Goernemann, SICK AG
- 9.30 Session: Protective devices and safety systems
- 10.50 Coffee and Exhibition
- 11.10 Session: Risk assessment
- 12.10 Lunch
- 13.10 Session: Risk assessment, safety and cybersecurity
- 15.10 Coffee and Exhibition
- 15.30 Session: Human-machine interaction (Human factors, Education, Work environment)
- 17.10 Conclusions, Info about excursions, Welcome to the next SIAS, Thanks to all!
- 17.40 End of the day, end of the conference

Friday 14.6.2024

- Possible/planned Excursions/Industry visits (will be confirmed soon) - save the date!
 - Bronto Skylift
 - Kalmar
 - Fastems
 - Tampere University

CALL FOR REGISTRATION:

www.automaatioseura.fi/sias2024/registration

CALL FOR EXHIBITON:

www.automaatioseura.fi/sias2024/exhibition-and-sponsorship



VTT

Tampere University

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