

Call for Papers

SS04 - Industrial Cybersecurity Methods and Technologies

Organized and Co-Chaired by

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❖ **FOCUS** Industrial cybersecurity has emerged as a key topic of research in recent years due to the massive connectivity brought by the Internet of Things and the rise of cyber-attacks against industrial assets. While fostering contemporary use-cases and applications, the ubiquitous access to the Internet has also exposed legacy operational technologies to new and challenging security threats that need to be addressed. This Special Session focuses on novel security, safety, and privacy-enhancing technologies for existing and future industrial applications.

❖ TOPICS

- ❖ Security, safety, or privacy-enhancing technologies in industrial systems
- ❖ Modeling of cybersecurity threats
- ❖ Applications of distributed ledger technologies/blockchains in Industry 4.0
- ❖ Self-sovereign identity for M2M and decentralized device-to-device communication
- ❖ Hardware advances for securing Industrial devices and networks
- ❖ Quantitative evaluation and/or interconnections among non-functional aspects (e.g., reliability vs. safety, security vs. performance)
- ❖ Run-time methods and technologies for Complex Event Detection systems
- ❖ Software engineering methods and techniques for high dependable control systems
- ❖ Case studies / lessons learned of security, safety, or privacy assessments of industrial systems

❖ **AIM** The aim of this SS is to bring together researchers, practitioners, and experts from industry that conduct innovative cybersecurity work on related technical fields.

❖ **CONFERENCE FORMAT** The conference will comprise multitrack sessions for regular papers, to present significant and novel research results with a prospect for a tangible impact on the research area and potential implementations, as well as work-in-progress (WIP) and industry practice sessions.

❖ AUTHOR'S SCHEDULE (2021)

❖ Regular and special sessions papers

Submission deadline May 7
Acceptance notification June 4
Deadline for final manuscripts July 14

❖ Work-in-progress/Industry practice papers

Submission deadline June 11
Acceptance notification July 7
Deadline for final manuscripts July 14