



Call for Papers

SS03 - Industrial Cybersecurity Methods and Technologies

Organized and Co-Chaired by

Paulo C. Bartolomeu ¹, Stefano Marrone ², Ricardo J. Rodríguez ³

¹ Instituto de Telecomunicações (Portugal)

² University of Campania "Luigi Vanvitelli" (Italy)

³ University of Zaragoza (Spain)

❖ **FOCUS.** Industrial cybersecurity has become a key research topic in recent years due to the massive connectivity brought by the Internet of Things and the rise of cyberattacks against industrial assets. While fostering contemporary applications and use cases, ubiquitous Internet access has also exposed legacy operational technologies to new and challenging security threats that must be addressed. This Special Session focuses on novel security, safety, and privacy-enhancing technologies for current 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 multi-track 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 (2022)

❖ Regular and special sessions papers

Submission deadline April 1
 Acceptance notification May 6
 Deadline for final manuscripts June 17

❖ Work-in-progress/Industry practice papers

Submission deadline May 13
 Acceptance notification June 10
 Deadline for final manuscripts June 17