



# Call for Papers

## SS10 – Emerging Cybersecurity Technologies for Industrial Applications

Organized and co-chaired by

**Paulo C. Bartolomeu**

*University of Aveiro and Instituto de Telecomunicações, Portugal*

**Ashraf A. Ali**

*Hashemite University, Jordan*

**Joaquim Ferreira**

*University of Aveiro and Instituto de Telecomunicações, Portugal*

**+ FOCUS.** The gap between Operational Technologies (OT) and Information Technologies (IT) in Industrial Automation applications has been blurred by the emergence of the Internet of Things. The resulting connectivity availability has brought a broad range of security challenges to a traditionally closed application domain. This Special Session focuses on novel security approaches for existing and future Industrial applications, aiming at bringing together researchers and practitioners that conduct innovative Cybersecurity work on related technical fields.

### + TOPICS

- Security in the context of Industrial retrofitting
- Network management security for Industrial Automation applications
- Applications of Distributed Ledger Technologies/Blockchains in IIoT
- Self-Sovereign Identity for M2M and decentralised device-to-device communication
- Wireless Sensor Network security
- Advances in Cyber Security for Industrial control systems
- Advances in PLC frameworks to enrich Safety Instrumented Systems (SIS)
- Securing Actuators, Sensors and Switchgear controlled via the Cloud
- Advances in Industrial mission critical security tools and solutions
- Real-time cybersecurity protocols
- Novel end-to-end encryption mechanisms for Industrial components
- Secure component interface design
- Hardware advances for securing Industrial devices and networks
- Physical layer security

### + AUTHOR'S SCHEDULE (2019)

❖ Regular and special sessions papers

Submission deadline .....	April 4	April 22
Acceptance notification .....	May 6	May 20
Deadline for final manuscripts .....	June 17	June 27