

Call for Papers

Track 2 - Industrial Communication Technologies and Systems

Track co-chairs

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- ❖ **FOCUS.** The Track on Industrial Communication Technologies and Systems is focused on industrial communication, including modeling, analysis, synthesis, characterization of application requirements, implementations, evaluation, validation, and case studies.
- ❖ **TOPICS**
 - ❖ Industrial networks
 - ❖ IP-based and web-based industrial communications
 - ❖ Integration and interoperability of automation networks
 - ❖ Middleware for industrial communications and decentralized control
 - ❖ Software-Defined Networks and cognitive radio networks
 - ❖ Wireless instrumentation and wireless sensor networks
 - ❖ Mesh, relay, and multi-hop industrial networks
 - ❖ Wireless coexistence, spectrum-sharing and radio resource management in industrial environments
 - ❖ Dependability, fault tolerance, and safety in industrial networks
 - ❖ Information security in industrial communications
 - ❖ Industrial Internet of Things (IIoT)
 - ❖ Machine-to-machine (M2M) communications
 - ❖ Communication technologies for Industry 4.0
 - ❖ Remote configuration and network management
 - ❖ Real-time communication and precise synchronization
 - ❖ Event-driven and time-triggered communications
 - ❖ Quality of Service (QoS) and performance indexes
 - ❖ Time-Sensitive Networking
- ❖ **AIM.** The aim of the conference is to bring together researchers and practitioners from the industry and academia and provide them with a platform to report on recent advances and developments in the newly emerging areas of technology, as well as actual and potential applications to industrial and factory automation.
- ❖ **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 (2020)

❖ 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

Track Programme Committee

- ❖ Aamir Mahmood, *Mid Sweden University, Sundsvall, Sweden*
- ❖ Abhilash Thekkilakkattil, *Ericsson, Stockholm, Sweden*
- ❖ Andreas Willig, *Univ. of Canterbury, New Zealand*
- ❖ Claudio Zunino, *CNR-IEIIT, Italy*
- ❖ Eduardo Tovar, *CISTER/ISEP, Portugal*
- ❖ Federico Perez, *University of the Basque Country UPV/EHU, Bilbao, Spain*
- ❖ Gianluca Cena, *CNR-IEIIT, Italy*
- ❖ Hans Hansson, *Mälardalen University, Sweden*
- ❖ Henning Trsek, *inIT/OWL University, Lemgo, Germany*
- ❖ Joaquim Ferreira, *University of Aveiro, Portugal*
- ❖ Juergen Jasperneite, *Fraunhofer IOSB-INA, Germany*
- ❖ Kristina Kunert, *Umeå University, Sweden*
- ❖ Luca Leonardi, *University of Catania, Italy*
- ❖ Luis Lino Ferreira, *CISTER/ISEP, Porto, Portugal*
- ❖ Manuel Cheminod, *CNR - IEIIT, Italy*
- ❖ Marisol García Valls, *Universitat Politecnica de Valencia, Spain*
- ❖ Markus Rentschler, *Balluff GmbH, Germany*
- ❖ Michael Short, *Teesside University, UK*
- ❖ Michele Luvisotto, *ABB Power Grids Sweden AB, Västerås, Sweden*
- ❖ Paulo Pedreiras, *DETI/UA/IT, Portugal*
- ❖ Paulo Portugal, *University of Porto, Portugal*
- ❖ Peter Folkesson, *RISE Research Institutes of Sweden, Sweden*
- ❖ Radu Dobrin, *Mälardalen University, Sweden*
- ❖ Ramez Daoud, *SEAD Group, American Univ. in Cairo, Egypt*
- ❖ Ricardo J. Rodríguez, *Universidad de Zaragoza, Spain*
- ❖ Roman Obermaier, *University of Siegen, Germany*
- ❖ Sasikumar Punnekkat, *Mälardalen University, Sweden*
- ❖ Stefano Scanzio, *CNR-IEIIT, Italy*
- ❖ Uwe Meier, *TH OWL, Institute inIT, Lemgo, Germany*
- ❖ Wilfried Steiner, *TTECH, Austria*