

Call for Papers

Track 2 –Industrial Communication Technologies and Systems

Track co-chairs

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- ❖ **FOCUS** The track is focused on industrial communication technologies, including modelling, analysis, and synthesis of provably correct systems, as well as characterization of application requirements, implementations, performance 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; work-in-progress (WIP) sessions; panel discussions on the state-of-the-art and emerging trends, involving leading experts from industry and academia; and public discussion sessions moderated by leading experts in the field of industrial automation systems.

AUTHOR'S SCHEDULE (2023)

❖ Regular and special sessions papers

Submission deadline March 31
Acceptance notification May 5
Deadline for final manuscripts June 16

❖ Work-in-progress/ Industry practice papers

Submission deadline May 12
Acceptance notification June 9
Deadline for final manuscripts June 16

Track Programme Committee

- ❖ Dave Cavalcanti, Intel Labs, Oregon, USA
- ❖ Gianluca Cena, CNR-IEIIT, Torino, Italy
- ❖ Manuel Cheminod, CNR-IEIIT, Torino, Italy
- ❖ Ramez Daoud, The American University in Cairo, Egypt
- ❖ Ognjen Dobrijevic, ABB Corporate Research, Västerås, Sweden
- ❖ Joaquim Ferreira, University of Aveiro, Aveiro, Portugal
- ❖ Marisol García Valls, Universitat Politècnica de València, Spain
- ❖ Ricardo J. Rodríguez, Universidad de Zaragoza, Zaragoza, Spain
- ❖ Juergen Jasperneite, Fraunhofer IOSB-INA, Germany
- ❖ Kristina Kunert, Umeå Univ., Umeå, Sweden
- ❖ Luca Leonardi, Univ. of Catania, Catania, Italy
- ❖ Luis Lino Ferreira, School of Eng. of the Politechnic Institute of Porto, Porto, Portugal
- ❖ Michele Luvisotto, Hitachi Energy Research, Västerås, Sweden
- ❖ Aamir Mahmood, Mid Sweden University, Sundsvall, Sweden
- ❖ Alberto Morato, CNR-IEIIT, Padova, Italy
- ❖ Roman Obermaisser, Univ. of Siegen, Germany
- ❖ Federico Perez, University of the Basque Country UPV/EHU, Bilbao, Spain
- ❖ Paulo Portugal, University of Porto, Portugal
- ❖ Julián Proenza Arenas, University of the Balearic Islands, Palma, Spain
- ❖ Sasikumar Punnekkat, Mälardalen Univ., Sweden
- ❖ Markus Rentschler, Murrelektronik GmbH, Oppenweiler, Germany
- ❖ Stefano Scanzio, CNR-IEIIT, Torino, Italy
- ❖ Oscar Seijo, Ikerlan Technology Research Centre, Mondragón, Spain
- ❖ Emiliano Sisinni, University of Brescia, Italy
- ❖ Henning Trsek, Institute Industrial IT - inIT / TH-OWL, Germany
- ❖ Iñaki Val, MaxLinear, Valencia, Spain
- ❖ Francisco Vasques, Univ. of Porto, Portugal
- ❖ Andreas Willig, University of Canterbury, New Zealand
- ❖ Lukasz Wisniewski, Institute industrial IT – inIT / TH-OWL, Germany
- ❖ Claudio Zunino, CNR-IEIIT, Torino, Italy