

30<sup>th</sup> IEEE International Conference on Emerging Technologies and Factory Automation

# Call for Papers - Track 2 Industrial Communication Technologies and Systems

## **Track chairs**

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FOCUS. The track is focused on industrial communication technologies, including modeling, analysis, and synthesis of provably correct systems, as well as characterization of application requirements, implementations, performance evaluation, validation, and case studies.

### TOPICS

- Industrial networks
- Integration and interoperability of automation networks
- Middleware and decentralized control for industrial communications
- IP-based and web-based industrial communications
- Software-Defined Networks and cognitive radio networks
- Wireless, sensor, and multi-hop networks
- Wireless coexistence, 5G/6G and beyond, spectrum-sharing, and radio resource management in industrial systems
- Dependability, fault tolerance, and safety in industrial systems
- Information security in industrial communications
- Industrial Internet of Things (IIoT) and Machine-to-Machine (M2M) communications
- 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 (TSN)
- Energy efficiency and sustainable industrial communication
- Artificial Intelligence and Machine Learning for industrial networks
- AIM. The aim of the conference is to bring together the international community to present the latest research results, share new ideas and engineering breakthroughs, and discuss state-of-the-art challenges and future directions in technology and innovation in the broad domain of Automation with a focus on Industrial and Factory Automation.

### **Track Program Committee**

- Óscar Adamuz-Hinojosa, Universidad de Granada, Spain
- Abbas Arghavani, Mälardalen University, Västerås, Sweden
- Anna Baron, Friedrich-Alexander-Universität Erlangen-Nürnberg, Germany
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- Manuel Cheminod, CNR-IEIIT, Torino, Italy
  Ramez Daoud, The American University in Cairo, Eqvot
- Antonio de la Oliva, University Carlos III of Madrid, Spain
- Ognjen Dobrijevic, ABB Corporate Research, Västerås, Sweden
- Doğanalp Ergenç, TU Berlin, Germany
- Joaquim Ferreira, University of Aveiro, Portugal
- Valerio Frascolla, Intel Labs, Germany
  Marisol García Valls, Universitat Politècnica de
- València, Spain Juergen Jasperneite, Fraunhofer IOSB-INA, Germany
- Luca Leonardi, University of Catania, Italy
- Luis Lino Ferreira, School of Engineering of the Politechnic Institute of Porto, Porto, Portugal
- Alberto Morato, CNR-IEIIT, Padova, Italy
  Roman Obermaisser, University of Siegen, Siegen, Germany
- Jonas Peeck, TU Braunschweig, Germany
- Federico Perez, University of the Basque Country UPV/EHU, Bilbao, Spain
- Paulo Portugal, University of Porto, Portugal
  Jonathan Prados Garzón, Universidad de Granada, Spain
- Julián Proenza Arenas, University of the Balearic Islands, Palma, Spain
- Sasikumar Punnekkat, Mälardalen University, Västerås. Sweden
- Sebastian Robitzsch, InterDigital, London, United Kingdom
- Stefano Scanzio, CNR-IEIIT, Torino, Italy
- Thomas Schmidt, HAW Hamburg, Germany
- Emiliano Sisinni, University of Brescia, Italy
- Federico Tramarin, University of Modena and
- Reggio Emilia Henning Trsek, Institute Industrial IT - inIT / TH-OWL, Germany
- Stefano Vitturi, CNR-IEIIT, Padova, Italy
- Andreas Willig, University of Canterbury, New Zealand
- Luxi Zhao, Beihang University, China

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 (2025)

**IEEE** 

### Regular and special sessions papers

Submission deadline ..... April 18 Acceptance notification ..... May 23 Deadline for final manuscripts ...... July 4

#### Work-in-progress/Industry practice papers

Submission deadline	May 30
Acceptance notification	June 20
Deadline for final manuscripts	July 4



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