24TH INTERNATIONAL CONFERENCE ON EMERGING TECHNOLOGIES AND FACTORY AUTOMATION
ETFA 2019
ZARAGOZA, SPAIN
SEPTEMBER 10TH-13TH 2019

Call for Papers
Track 2 - Industrial Communication Technologies and Systems

Track co-chairs

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✣ **FOCUS**. The focus of the Track on Industrial Communication Technologies and Systems is 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. Original contributions in these areas are solicited.

✣ TOPICS

- Industrial networks
- Industrial domain specific 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
- Information security and functional safety 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
- Message schedulability analysis
- Quality of Service (QoS) and performance indexes

Track Programme Committee

- Niels Aakvaag, *SINTEF Digital, Norway*
- Michele Albano, *CISTER/ISEP, Portugal*
- Manuel Barranco, *DMI/UIB, Spain*
- Gianluca Cena, *CNR-IEIIT, Italy*
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- Jerker Delsing, *LTU, Sweden*
- Joaquim Ferreira, *UA/IT, Portugal*
- Svetlana Girs, *Mälardalen University, Sweden*
- Wolfgang Kastner, *TU Wien, Austria*
- Uwe Meier, *OWL University, Germany*
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- Amund Skavhaug, *NTNU, Norway*
- Wilfried Steiner, *TTECH, Austria*
- Eduardo Tovar, *CISTER/ISEP, Portugal*
- Henning Trsek, *rt-solutions, Germany*
- Marisol Garcia Vall, *Universidad Carlos III de Madrid, Spain*
- Pál Varga, *BME, Hungary*
- Martin Wollschlaeger, *TU Dresden, Germany*
- Claudio Zunino, *CNR-IEIIT, Italy*
- Mohamed Khalgui, *Univ. Carthage, Tunisia*
- Mikael Gidlund, *Mid Sweden University, Sweden*
- Gaetano Patti, *Univ. Catania, Italy*
- Andreas Willig, *Univ. of Canterbury, New Zealand*
- Stefano Scanzio, *CNR-IEIIT, Italy*
- Dong-Seong Kim, *Kumoh National Inst. of Tech, Korea*
- Hans Hansson, *Mälardalen University, Sweden*

✣ **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 multitrack 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 (2019)

✣Regular and special sessions papers

Submission deadline ..... ~~April 1~~ April 22
Acceptance notification ..... ~~May 6~~ May 20
Deadline for final manuscripts ..... ~~June 17~~ June 27

✣Work-in-progress/ Industry practice papers

Submission deadline ..... ~~May 13~~ June 3
Acceptance notification ..... ~~June 10~~ June 24
Deadline for final manuscripts ..... ~~June 17~~ July 1