ETFA 2024

29TH INTERNATIONAL CONFERENCE ON EMERGING TECHNOLOGIES AND FACTORY AUTOMATION

PADOVA, ITALY
SEPTEMBER 10TH–13TH 2024

Call for Papers
Track 02 – Industrial Communication Technologies and Systems

Track Chairs
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FOCUS
The track is focused on industrial communication technologies, including tasks such as modeling, analyzing, and synthesizing provably correct systems, as well as characterizing application requirements, implementing solutions, evaluating performance, conducting validation, and presenting 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 ETFA 2024 conference brings together professionals from industry and academia to share cutting-edge concepts, recent developments, research results, and practical achievements in industrial and factory automation. The key goal is to foster the enhancement and application of scientific techniques, models, and tools that support the efficient design and operation of industrial and factory automation systems.

SOLICITED PAPERS
♦ Original Research (Regular) ♦ Surveys ♦ Industry practice ♦ Work-in-progress
The working language of the conference is English, For submission rules, please refer to the Author's Instruction on the conference website.

PAPER ACCEPTANCE
Accepted, registered, and presented papers will be copyrighted by IEEE and published in the conference proceedings. The proceedings will be available in the IEEE Xplore® Digital Library. The final manuscript must be accompanied by a registration form and a registration fee payment proof and it is mandatory that at least one author attends and presents the paper at the conference. Failure to adhere to these guidelines may result in paper exclusion from post-conference distribution via IEEEXplore by the ETFA 2024 Organizing Committee. All conference attendees must pay the conference registration fee and cover their own personal expenses for travel and accommodations.

AUTHOR'S SCHEDULE 2024

❖**Regular and special sessions papers**
Submission deadline ………………………………….. **April 28th**
Acceptance notification …………………………… May 31st
Deadline for final manuscripts ………………………… July 1st

❖**Work-in-progress/ Industry practice papers**
Submission deadline ……………………………… **May 26th**
Acceptance notification ……………………….. June 17th
Deadline for final manuscripts ……………………… July 1st

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