

ETFA 2025

Porto

Portugal
9-12 September

30th IEEE International Conference on Emerging Technologies and Factory Automation

Call for Papers - Track 5 Industrial Control

Track chairs

Cristian Mahulea[§] - University of Zaragoza, Spain

Takao Sato^{*} - University of Hyogo, Japan

[§] cmahulea@unizar.es

^{*} tsato@eng.u-hyogo.ac.jp

❖ **FOCUS.** This track is focused on the critical issues in industrial control. Industrial control addresses the use of sensors, metrology, and algorithms to monitor equipment, processes, and products to provide actionable information for maintenance and control. The successful application of industrial control draws from the domain expertise of multiple disciplines that are typically responsible for delivering separate elements of the complete solution, such as IT/factory automation, process technology, control engineering, yield management, safety engineering, etc.

❖ TOPICS

- ❖ Process Monitoring and Control
- ❖ Equipment Monitoring and Control
- ❖ Supervisory Control
- ❖ Intelligent Control
- ❖ Process Modeling and Optimization
- ❖ Control Performance Assessment
- ❖ Industrial Internet of Things
- ❖ Industrial Control Applications
- ❖ Computer Implementation of Control Systems
- ❖ Safety Issues in Industrial Control
- ❖ Environmental Implications of Control Systems
- ❖ Fault-Tolerant Control Systems
- ❖ Event-Based Control Design
- ❖ Control of Processes with Delay

❖ **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.

❖ **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)

❖ 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

Track Program Committee

- ❖ Orlando Arrieta, *University of Costa Rica, Costa Rica*
- ❖ Manuel Beschi, *University of Brescia, Italy*
- ❖ Axel Busboom, *Munich University of Applied Sciences, Germany*
- ❖ Martin Cech, *University of West Bohemia, Czech Republic*
- ❖ María Jesús de la Fuente, *University of Valladolid, Spain*
- ❖ Gregory Faraut, *ENS Paris-Saclay, France*
- ❖ Georg Frey, *Saarland University, Germany*
- ❖ Asier Ibeas, *Autonomous University of Barcelona, Spain*
- ❖ Shinichi Imai, *Tokyo Gakugei University, Japan*
- ❖ Clara Ionescu, *Ghent University, Belgium*
- ❖ Prakash Jagadeesan, *Anna University, India*
- ❖ Marius Kloetzer, *Technical University of Iasi, Romania*
- ❖ Fotis N. Koumboulis, *National and Kapodistrian University of Athens, Greece*
- ❖ Agostino Marcello Mangini, *Polytechnic University of Bari, Italy*
- ❖ Paulo Moura Oliveira, *UTAD University, Portugal*
- ❖ Fabrizio Padula, *Curtin University, Australia*
- ❖ Carles Pedret, *Autonomous University of Barcelona, Spain*
- ❖ Radu-Emil Precup, *Politehnica University of Timișoara, Romania*
- ❖ G. Lloyds Raja, *National Institute of Technology Patna, India*
- ❖ Edgar Ramirez-Laboreo, *University of Zaragoza, Spain*
- ❖ Seshagiri Rao Ambati, *Indian Institute of Petroleum and Energy, India*
- ❖ Jose David Rojas, *University of Costa Rica, Costa Rica*
- ❖ Carla Seatzu, *University of Cagliari, Italy*
- ❖ Dan Selisteanu, *University of Craiova, Romania*
- ❖ Mercedes Chacón Vázquez, *University of Costa Rica, Costa Rica*
- ❖ Francisco Vázquez, *University of Cordoba, Spain*
- ❖ Ramon Vilanova, *Universitat Autònoma de Barcelona, Spain*
- ❖ Antonio Visioli, *University of Brescia, Italy*
- ❖ Bor-Jiunn Wen, *National Taiwan Ocean University, Taiwan*
- ❖ Toru Yamamoto, *Hiroshima University, Japan*
- ❖ Akira Yanou, *Kawasaki University of Medical Welfare, Japan*