

ETFA 2018
Call for Papers



Emerging Technologies & Factory Automation

23rd IEEE International Conference
September 4-7, 2018, Torino, Italy

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With the support of:



September 4 - 7, 2018, Torino, Italy

Call for Papers Track 5 - Industrial Control

Track co-chairs

Ramon Vilanova, Universitat Autònoma Barcelona, Spain, ramon.vilanova@uab.cat

Antonio Visioli, Univ. of Brescia, Italy, antonio.visioli@unibs.it

Focus: This track focuses 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;
- Fault Detection and Management;
- Process Modeling and Optimization;
- Control Performance Assessment;
- Industrial Internet of Things;
- Industrial Control Applications;
- Large-Scale Systems;
- Computer Implementation of Control Systems;
- Co-Design of Control,
- Computing and Communication;
- Co-Design of Diagnosis and Dependability;
- Safety Issues in Industrial Control;
- Environmental Implications of Control Systems.

Aim: The ETFA conference brings together experts from industry and academia to disseminate novel ideas and emerging trends, research results and practical achievements in the area of industrial and factory automation. The ultimate goal is fostering the development and adoption of scientific methods, models, and tools for the efficient design and operation of industrial and factory automation systems.

Submission of Papers: The working language of the conference is English. Two types of submissions are solicited. Long Papers – limited to 8 double column pages in a font no smaller than 10-points. Work-in-Progress– limited to 4 double column pages in a font no smaller than 10-points. Manuscripts must be submitted electronically in PDF format, according to the instructions contained in the Conference web site <http://iee-effa2018.com/>.

Best Paper Award: Best paper awards in Factory Automation and Emerging Technologies will be presented at the conference banquet dinner.

Further Information: Conference website: <http://iee-effa2018.com/>. ETFA2018 Conference Secretariat: etfa2018@ieiit.cnr.it

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Paper Acceptance: Each accepted paper must be presented at the conference by one of the authors; otherwise the ETFA2018 Organizing Committee reserves the right to exclude a paper from distribution after the conference at IEEE Xplore. The final manuscript must be accompanied by a registration form and a registration fee payment proof. All conference attendees must pay the conference registration fee and their travel expenses.

Author's Schedule (NEW!!!):

| Regular and special sessions papers | | Work-in-progress papers | |
|--|----------------|---------------------------------|---------------|
| Submission deadline: | April 27, 2018 | Submission deadline: | June 11, 2018 |
| Acceptance notification: | June 1, 2018 | Acceptance notification: | June 25, 2018 |
| Deadline for final manuscripts: | July 6, 2018 | Deadline for final manuscripts: | July 6, 2018 |

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