ETFA 2018 Call for Papers

Emerging Technologies & Factory Automation

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

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Call for Papers

Track 10 - New frontiers in Automation: Cyber-Physical Systems and Artificial Intelligence

Track co-chairs
Tullio Facchinetti, University of Pavia, Italy, tullio.facchinetti@unipv.it
Oliver Niggeman, Institut für industrielle Informationstechnik, Hochschule Ostwestfalen-Lippe, Germany oliver.niggemann@iosb-ina.fraunhofer.de

Focus: Focus of this track is on methods, technologies and case studies which leverage on cyber-physical systems and artificial intelligence to provide smart capabilities such as self-configuration, self-optimization and self-diagnosis.

Topics Distributed Architectures for Adaptive Systems; Autonomous Cyber-Physical Systems; Networked Adaptive Systems; Self-Adaption and Self-Organization for Smart Factories, Smart Cities, Smart Buildings and Smart Energy; Intelligent Interfaces to Smart Distributed Systems, AI-Powered Smart Interfaces; Learning and Self-Optimizing Cyber-Physical Systems; Machine Learning for Production; Deep Learning for Industrial Applications; Algorithms for Diagnosis and Repair; Automatic Adaption; Planning and Scheduling.

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://ieee-etfa2018.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://ieee-etfa2018.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

http://ieee-etfa2018.com/