



# Emerging Technologies & Factory Automation

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

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## Call for Papers

### Track 4 - Automated Manufacturing Systems

#### Track co-chairs

**Mariagrazia Dotoli, Politecnico di Bari, Italy, mariagrazia.dotoli@poliba.it**

**Michael Weyrich, University of Stuttgart, Germany, michael.weyrich@ias.uni-stuttgart.de**

**Focus:** This track focuses on the use of techniques and technologies for the modeling, analysis, intelligent control, and enterprise integration of automated manufacturing systems.

**Topics:** Synthesis and Analysis Techniques; Performance Evaluation and reliability; Scheduling, Resource allocation; Optimization; Discrete Event Systems in Manufacturing Systems; Formal Modeling and Analysis of Manufacturing Systems; Fault Diagnosis, State-Estimation, and Identification; Networked Control of Manufacturing Systems; Planning and Distributed Control of Industrial Systems; Formal Methods and Verification Tools; Security Analysis and Privacy Enforcement; Discrete and Continuous Industrial Automation Systems; Automated Manufacturing Systems and Enterprise Integration; Application of Service-Oriented Technologies; Test Cases, Benchmarks and Tools; Applications and Experiences in Practice; Recent Developments in Standardization, intelligent Cyber-physical Production 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@ieit.cnr.it](mailto:etfa2018@ieit.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

Submission deadline:

Acceptance notification:

Deadline for final manuscripts:

April 27, 2018

June 1, 2018

July 6, 2018

##### Work-in-progress papers

Submission deadline:

Acceptance notification:

Deadline for final manuscripts:

June 11, 2018

June 25, 2018

July 6, 2018

<http://iee-effa2018.com/>