



Emerging Technologies & Factory Automation

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

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Call for Papers

Track 6 - Computer Vision, Computational Intelligence, and Modern Heuristics in Automation

Track co-chairs

Jesus Bermudez, University of Zaragoza, Spain, bermudez@unizar.es
Marco Porta, University of Pavia, Italy, marco.porta@unipv.it

Focus: The Track on Computer Vision, Computational Intelligence, and Modern Heuristics in Automation aims at bringing together researchers interested in computer vision, visual perception, object/scene/action detection and recognition, ambient intelligence, knowledge-based automation and soft computing for factory automation and industrial applications, as well as to present current research results and to share their experience.

Topics include but are not limited to: Computer vision systems in science, technology and industrial applications; Machine vision technology for flexible factory automation; Advanced visual perception systems, Intelligent Systems and Control, Heuristics and meta-heuristics, Data Mining in Automation and Industrial Applications; Neural/Fuzzy/Evolutionary approaches in automation; predictive, adaptive control, recognition, navigation, motion control, competitive, self-organizing learning and clustering; Computational intelligence for security, reliability, and fault-tolerance in automation; Expert systems in automation; Hardware optimization based on computational intelligence techniques.

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://ieeef-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://ieeef-effa2018.com/>. ETFA2018 Conference Secretariat: etfa2018@ieit.cnr.it

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://ieeef-effa2018.com/>