

September 6-9, 2016, Berlin

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Call for Papers

Track 4. Automated Manufacturing Systems

Track Co-Chairs

Cristian Mahulea, University of Zaragoza, Spain, cmahulea@unizar.es
 Michael Weyrich, University of Stuttgart, Germany, michael.weyrich@ias.uni-stuttgart.de

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

Topics within the scope of the track

- Synthesis and Analysis Techniques, Performance Evaluation and Reliability;
- Scheduling, Resource Allocation, Queuing Systems and Petri Nets 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 Robots;
- Formal Methods and Verification Tools in Healthcare Systems;
- 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.

Aim: The aim of the conference is to bring together researchers and practitioners from the industry and academia and provide them with a platform to report on recent advances and developments in the newly emerging areas of technology, as well as actual and potential applications to industrial and factory automation.

Solicited Papers: Research papers reporting on new developments in technological sciences. Industry and development papers reporting on actual developments of technology, products, systems and solutions. Tutorial and survey papers. Work-in-progress papers. In addition, ETFA 2016 solicits special session proposals to stimulate in-depth discussions in special areas relevant to the conference theme. Please consult the conference web page for more details.

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; work-in-progress (WIP) sessions; panel discussions on the state-of-the-art and emerging trends, involving leading experts from industry and academia; and public discussion sessions moderated by leading experts in the field of industrial 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 and Industry practice papers – 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.

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

Further Information: ETFA2016 Conference Secretariat: Tel.: +49 / 5261 94290-35; Fax.: +49 / 5261 94290-35; Email: etfa2016@iosb.fraunhofer.de

Paper Acceptance: Each accepted paper must be presented at the conference by one of the authors. The final manuscript must be accompanied by a registration form and a registration fee payment proof. All conference attendees, including authors and session chairpersons, must pay the conference registration fee, and their travel expenses.

No-show Policy: The ETFA2016 Organizing Committee reserves the right to exclude a paper from distribution after the conference at IEEE Xplore if the paper is not presented at the conference.

Author's Schedule:

Deadline for submission of regular and special sessions papers:	March 15, 2016
Notification of acceptance of regular and special sessions papers:	May 15, 2016
Deadline for submission of work-in-progress papers and Industry practice:	May 20, 2016
Notification of acceptance of work-in-progress papers and Industry practice:	June 20, 2016
Deadline for submission of final manuscripts – regular and special sessions:	July 1, 2016
Deadline for submission of final manuscripts – work-in-progress papers and Industry practice:	July 1, 2016

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