

Call for Papers

Track 4 – Automated Manufacturing Systems

Track co-chairs

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+ FOCUS. This track focuses on the use of techniques and technologies for the modelling, analysis, intelligent control, and enterprise integration of automated manufacturing systems.

+ TOPICS

- ❖ Synthesis and Analysis Techniques; Performance Evaluation and reliability
- ❖ Scheduling, Resource allocation and Optimization
- ❖ Discrete Event Systems in Manufacturing Systems
- ❖ Formal Modelling and Analysis of Manufacturing Systems
- ❖ Fault Diagnosis, State-Estimation, and Identification in formal models
- ❖ 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 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.

+ CONFERENCE FORMAT. The conference will comprise multitrack 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.

+ AUTHOR'S SCHEDULE (2019)

❖ Regular and special sessions papers

Submission deadline April 4 April 22
Acceptance notification May 6 May 20
Deadline for final manuscripts June 17 June 27

❖ Work-in-progress/ Industry practice papers

Submission deadline May 13 June 3
Acceptance notification June 10 June 24
Deadline for final manuscripts June 17 July 1

Track Programme Committee

- ❖ Kamel Barkaoui, *Cedric- Le Cnam, Paris*
- ❖ Kristofer Bengtsson, *Chalmer*
- ❖ Ulrich Berger, *Brandenburgische Technical University*
- ❖ Simona Bernardi, *Universidad Zaragoza*
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- ❖ Vicente Lucena, *Federal University of Amazonas*
- ❖ Ziyue Ma, *Xidian University*
- ❖ Octavian Pastravan, *Technical University of Iasi*
- ❖ Carlos Eduardo Pereira, *Universidade Federal do Rio Grande do Sul*
- ❖ Ricardo Rodríguez, *Centro Universitario de la Defensa*
- ❖ Rong Su, *Nanyang Technological University*
- ❖ Shigemasa Takai, *Osaka University, Japan*
- ❖ Marcelo Teixeira, *Federal, University of Technology Paraná*
- ❖ Yin Tong, *Xidian University*
- ❖ Carlos Vázquez Topete, *Tecnológico de Monterrey*
- ❖ Liewei Wang, *The 38th Research Institute of China Electronics Technology Group Corporation*