Call for Papers
Track 4 - Automated Manufacturing Systems
Track chairs
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❖ **FOCUS**. The track is focused on the use of techniques and technologies for modeling, analysis, intelligent control, and enterprise integration of automated manufacturing systems.

❖ **TOPICS**

- ❖ Automated Manufacturing Systems and Enterprise Integration
- ❖ Industry 4.0 Technologies and Applications
- ❖ Best practices for Digital Twin modeling
- ❖ Recent Developments in Standardization, Intelligent Cyber-Physical Production Systems
- ❖ Optimization and flexible Management
- ❖ Condition Monitoring and Predictive Maintenance
- ❖ Fault Diagnosis, State-Estimation, and Identification in Formal Models
- ❖ Networked Control of Manufacturing Systems
- ❖ Planning and Distributed Control of Industrial Systems
- ❖ Synthesis and Analysis Techniques
- ❖ Performance Evaluation and Reliability
- ❖ Formal Modeling and Analysis of Manufacturing Systems
- ❖ Formal Methods and Verification Tools
- ❖ Discrete and Continuous Industrial Automation Systems
- ❖ Scheduling, Resource Allocation and Optimization
- ❖ Discrete Event Systems in Manufacturing Systems
- ❖ Application of Service-Oriented Technologies
- ❖ Test Cases, Benchmarks and Tools
- ❖ Applications and Experiences in Practice

❖ **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 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, as well as work-in-progress (WiP) and industry practice sessions.

❖ **AUTHOR'S SCHEDULE (2022)**

❖Regular and special sessions papers

Submission deadline	April 1
Acceptance notification	May 6
Deadline for final manuscripts	June 17

❖Work-in-progress/Industry practice papers

Submission deadline	May 13
Acceptance notification	June 10
Deadline for final manuscripts	June 17

Track Program Committee

- ❖ Kamel Barkaoui, *Cedric - Le Cnam, Paris, France*
- ❖ Robert Harrison, *University of Warwick, UK*
- ❖ Robert Lehmann, *TU Dresden, Germany*
- ❖ Vicente Lucena, *Federal University of Amazonas, Brazil*
- ❖ Ziyue Ma, *Xidian University, China*
- ❖ Octavian Pastravanu, *Technical University of Iasi, Romania*
- ❖ Ricardo Rodríguez, *Universidad de Zaragoza, Spain*
- ❖ Carla Seatzu, *University of Cagliari, Italy*
- ❖ Adriano Valenzano, *Politecnico di Torino, Italy*
- ❖ Carlos Vázquez Topete, *Tecnológico de Monterrey, Mexico*
- ❖ Hans Wernher van de Venn, *ZHAW Zürcher Hochschule für Angewandte Wissenschaften, Zürich, Switzerland*
- ❖ Marco A. Wehrmeister, *Federal University of Technology - Paraná (UTFPR), Brazil*
- ❖ Dietmar Winkler, *TU Wien, CDL-SQI, Vienna, Austria*