25TH INTERNATIONAL CONFERENCE ON EMERGING TECHNOLOGIES AND FACTORY AUTOMATION

ETFA 2020 VIENNA, AUSTRIA SEPTEMBER 08TH–11TH 2020

Call for Papers
Track 4 - Automated Manufacturing Systems
Track co-chairs
Michael Weyrich §, Martin Wollschlaeger ◆

§ Univ. of Stuttgart, Germany, michael.weyrich@ias.uni-stuttgart.de
◆ TU Dresden, Germany, martin.wollschlaeger@tu-dresden.de

❖ **FOCUS**. Modelling, analysis, intelligent control, and enterprise integration of automated manufacturing systems.

❖ **TOPICS**

- ❖ Automated Manufacturing Systems and Enterprise Integration
- ❖ Industry 4.0 Technologies, Applications and Experiences in Practice
- ❖ 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

Track Programme Committee

- ❖ Barkaoui, Kamel, Cedric- Le Cnam, France;
- ❖ Basile, Francesco, Univ. of Salerno, Italy;
- ❖ Bengtsson, Kristofer, Chalmers, Sweden;
- ❖ Berger, Ulrich, Brandenburgische Technical University, Germany;
- ❖ Bernardi, Simona, Universidad Zaragoza, Spain;
- ❖ Cavone Graziana, Politecnico di Bari, Italy;
- ❖ Cavalieri, Salvatore, Univ. de Catania, Italy;
- ❖ Grabot Bernard, ENIT, France;
- ❖ Lucena, Vicente, Federal University of Amazonas, Brazil;
- ❖ Ma, Ziyue, Xidian University, China;
- ❖ Pastravanu, Octavian, Technical University of Iasi, Rumania;
- ❖ Pereira, Carlos Eduardo, Federal University of Rio Grande do Sul, Brazil;
- ❖ Rodríguez, Ricardo, Centro Universitario de la Defensa, Spain;
- ❖ Su, Rong, Nanyang Technological University, Singapore;
- ❖ Takai, Shigemasa, Osaka University, Japan;
- ❖ Teixeira, Marcelo, Federal University of Technology Paran, Brazil;
- ❖ Tong, Yin, Xidian University, China;
- ❖ Vázquez, Topete, Carlos, Tecnológico de Monterrey, Mexico;
- ❖ Zhang, Lin, Beihang University, China

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

❖ **AUTHOR'S SCHEDULE (2020)**

❖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

◆IEEE   ies   TU WIEN TECHNISCHE UNIVERSITÄT WIEN Vienna | Austria

www.ieee-etfa.org
contact@ieee-etfa.org