Call for Papers Track 10 - Artificial Intelligence for Cyber Physical Systems in Automation

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- FOCUS. The track is focused on theoretical formulations, technical developments, practical applications, methods and case studies that leverage Artificial Intelligence, Data Analytics and Emerging Technologies for the automation and optimization of Cyber-Physical Systems in smart factory
- settings.
 - Distributed Architectures for Adaptive Systems
 - Autonomous Cyber-Physical Systems
 - Self-Adaption and Self-Organization for Smart Factories
 - Smart Cities, Smart Buildings and Smart Energy
 - Deep learning and Self-Optimizing Cyber-Physical Systems
 - Grey-box machine learning
 - Real-time implementation of AI in automation
 - Knowledge representation and ontologies
 - Automatic system configuration
 - Unsupervised learning and latent representations
 - Networked Adaptive Systems
 - Intelligent Interfaces to Smart Distributed Systems, AI Powered
 - Smart Interfaces
 - Industrial Conversational Agents
 - Machine Learning for Production
 - Algorithms for Diagnosis and Repair
 - Self-configuration and self-optimization

Track Program Committee

- Achini Adikari, La Trobe University, Australia
- Mohammad Al Faruque, University of California, USA
- Damminda Alahakoon, La Trobe University, Australia
- Andrea Bonci, Università Politecnica delle Marche, Italy
- Maria De Marsico, University of Rome "La Sapienza", Italy
- Tullio Facchinetti, University of Pavia, Italy
- Antoni Grau, Technical University of Catalonia, Spain
- Maki K. Habib, The American University in Cairo, Egypt
- Seiichiro Katsura, Keio University, Japan
- Denis Kleyko, University of Berkeley, USA
- Paulo Leitão, Polytechnic Institute of Bragança, Portugal
- Rafal Leszczyna, Gdansk University of Technology, Poland
- Milos Manic, Virginia Commonwealth University, USA
- Rashmika Nawaratne, La Trobe University, Australia
- Joanna Isabelle Olszewska, University of West Scotland, UK
- Evgeny Osipov, Lulea University of Technology, Sweden
- Veera Ragavan, Monash University, Australia
- Luis Ribeiro, Linköping University, Sweden
- Roopak Sinha, Auckland University of Technology, New Zealand
- Damien Trentesaux, Polytechnic University Hauts-de-France, France
- Chen-Wei Yang, Lulea University of Technology,
 Sweden
- Chau Yuen, Singapore University of Technology and Design, Singapore
- Sachin Kahawala, Lulea University of Technology, Sweden

- 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

❖Work-in-progress/Industry practice papers

Submission deadline	May 13
Acceptance notification	June 10
Deadline for final manuscripts	June 1





