Call for Papers
Track 9 - Complex Automation Systems and Systems Engineering

Track co-chairs
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❖ **FOCUS**. System level design of complex engineering systems, such as industrial Cyber Physical Systems, including human in the loop, towards attaining functional requirements and predictable performance.

❖ **TOPICS**

- ❖ Systems Engineering, Systems-of-Systems Engineering, Systems Architecture
- ❖ Complex Automation Systems and Complex Engineering Networks
- ❖ Structural and Dynamic Complexity
- ❖ Cyber-Physical Systems & Cyber Security
- ❖ Distributed Adaptive and Predictive Real Time Control Systems
- ❖ Cloud Manufacturing
- ❖ Edge/Fog Computing in Automation
- ❖ Humans in the Loop
- ❖ Modelling & Simulation – Digital Twin
- ❖ Large-Scale System Integration and Verification
- ❖ Decision-making for Complex Systems
- ❖ Scalability and Complexity Management
- ❖ Modularity, Composability and Complexity in Autonomous Systems
- ❖ Case Studies and application reports from factory and process automation, automotive applications, transportation systems, district and urban automation and systems, energy systems, eHealth automation 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, 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

Track Programme Committee

- ❖ Christos Alexakos, Industrial Systems Institute, Greece
- ❖ Udayanto Dwi Atmojo, Aalto University, Finland
- ❖ Julia Arlinghaus, Fraunhofer Institute IFF, Germany
- ❖ Stefan Biffl, TU Wien, Austria
- ❖ Christoph Binder, FH Salzburg, Austria
- ❖ Raffaele Carli, Politecnico di Bari, Italy
- ❖ Stefano Carpin, Univ. of California Merced, USA
- ❖ Vincent Chapurlat, Ecole des Mines D'Alès, France
- ❖ Ernesto Damiani, University of Milan, Italy
- ❖ Mariagrazia Dotoli, Politecnico di Bari, Italy
- ❖ Elisabet Estevez, University of Jaen, Spain
- ❖ Giuseppe Franze, Università della Calabria, Italy
- ❖ Hu BiaoBeijing Univ. of Chemical Technology, China
- ❖ Athansios Kalogeras, Industrial Systems Institute, Greece
- ❖ Julia Kittel , HS Emden, Germany
- ❖ Christos Koulamas, Industrial Systems Institute, Greece
- ❖ Paulo Leitão, Polytechnic Institute of Bragança, Portugal
- ❖ Cheng Pang, Googoltech, China
- ❖ Alessandra Parisio, University of Manchester, UK
- ❖ Sandeep Patil, Luleå University of Technology, Sweden
- ❖ Pierluigi Siano, University of Salerno, Italy
- ❖ Roopak Sinha, Auckland University of Technology, New Zealand
- ❖ Thomas Strasser, AIT Austrian Institute of Technology, Austria
- ❖ Sven Tomforde, Christian-Albrechts-Universität Kiel, Germany,
- ❖ Massimo Villari, University of Messina, Italy
- ❖ Birgit Vogel-Heuser, Technical University of Munich, Germany
- ❖ Manuel Wimmer, Uni Linz, Austria
- ❖ Chen-Wei Yang, Luleå University of Technology, Sweden
- ❖ Shi Yu, Denmark Technical University, Denmark