

## Call for Papers

### Track 9 - Complex Automation Systems and Systems Engineering

#### Track co-chairs

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- ❖ **FOCUS.** The focus of the Track on Complex Automation Systems and Systems Engineering is on the system level design of complex engineering systems, such as industrial Cyber Physical Systems, towards attaining functional requirements and predictable performance

#### TOPICS

- ❖ Systems Engineering, Systems-of-Systems Engineering, Systems Architecture
- ❖ Complex Automation Systems
- ❖ 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

#### Track Programme Committee

- ❖ Christos Alexakos, *Industrial Systems Institute, Greece*
- ❖ Frederick Benaben, *Mines Albi, France*
- ❖ Milton Borsato, *UTFPR, Brazil*
- ❖ Raffaele Carli, *Politecnico di Bari, Italy*
- ❖ Vincent Chapurlat, *Ecole de Mines d' Ales, France*
- ❖ Jerker Delsing, *Lulea Tekniska Universitet, Sweden*
- ❖ Mariagrazia Dotoli, *Politecnico di Bari, Italy*
- ❖ Giuseppe Franze, *Universita della Calabria, Italy*
- ❖ Mikael Gidlund, *Mid Sweden University, Sweden*
- ❖ Michael Huebner, *Ruhr-Universitat Bochum, Germany*
- ❖ Paris Kitsos, *Western Greece University of Applied Sciences, Greece*
- ❖ Christos Koulamas, *Industrial Systems Institute, Greece*
- ❖ Aris Lalos, *Industrial Systems Institute, Greece*
- ❖ Paulo Leitao, *Politecnico of Braganca, Portugal*
- ❖ Spiros Likothanasis, *University of Patras, Greece*
- ❖ Arndt Lueder, *Otto von Guericke University of Magdeburg, Germany*
- ❖ Milos Manic, *Virginia Commonwealth University, USA*
- ❖ Pierluigi Siano, *University of Salerno, Italy*
- ❖ Thomas Strasser, *Austrian Institute of Technology, Austria*
- ❖ Sven Tomforde, *University of Kassel, Germany*
- ❖ Paul Valckenaers, *KU Leuven, Netherlands*
- ❖ Massimo Villari, *University of Messina, Italy*

- ❖ **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 ..... March 2  
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