

Call for Papers

Track 1 - Information Technology in Automation

Track co-chairs

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+ FOCUS. Track on Information Technology in Automation is focused on the development, adoption and application of information technology for automation systems.

+ TOPICS

- ❖ IT Modelling Techniques for Automation Systems
- ❖ Model Driven Development and Model Based Engineering in Automation and Mechatronic Systems
- ❖ Data Modelling along the Plant Life Cycle
- ❖ Domain Specific Modelling and Programming Languages
- ❖ Knowledge-Based Systems
- ❖ Ontologies and Semantic Web in Automation Systems
- ❖ IT Architecture techniques in Automation Systems
- ❖ Vertical Integration and Integration with MES and ERP Systems
- ❖ Energy Management in and by Automated Systems
- ❖ Software Reuse, Software Product Lines, and other Software Engineering Methods in Automation
- ❖ Agile software development in Automation
- ❖ Dynamically Reconfigurable, Adaptive, and Emergent Automation Software/ Systems
- ❖ Security and Safety in Factory, Energy, Home and Building Automation
- ❖ Case Studies and Application Reports

+ 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 April 4 April 22
Acceptance notification May 6 May 20
Deadline for final manuscripts June 17 June 27

❖ Work-in-progress/ Industry practice papers

Submission deadline May 13 June 3
Acceptance notification June 10 June 24
Deadline for final manuscripts June 17 July 1

Track Programme Committee

- ❖ Reza Abrishambaf, *Miami University*
- ❖ José Barbosa, *Polytechnic Institute of Bragança*
- ❖ Mike Barth, *HS Pforzheim*
- ❖ Jan-Olaf Blech, *RMIT University Melbourne*
- ❖ Henry Bloch, *Helmut Schmidt University Hamburg*
- ❖ Salvatore Cavalieri, *University of Catania*
- ❖ Armando Colombo, *Schneider Electric / Uni. Applied Sciences Emden/Leer*
- ❖ William Dai, *Shanghai Jiao Tong University*
- ❖ Rainer Drath, *HS Pforzheim*
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- ❖ Sten Grüner, *ABB Corporate Research Germany*
- ❖ Robert Harrison, *The University of Warwick*
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- ❖ Wolfgang Kastner, *Vienna University of Technology*
- ❖ Paulo Leitão, *Polytechnic Institute of Bragança*
- ❖ Marga Marcos, *ETSI Bilbao, University of the Basque Country*
- ❖ Martin Melik-Merkumians, *Vienna University of Technology*
- ❖ Andreas Müller, *Schaeffler Technologies AG*
- ❖ Jörg Neidig, *Siemens AG*
- ❖ Nikolaos Papakonstantinou, *VTT, Finland*
- ❖ Federico Pérez, *DISA - ETSI - UPV/EHU*
- ❖ Luis Ribeiro, *Linköping University*
- ❖ Stefan Runde, *Siemens AG*
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