

Call for Papers

Track 1 –Information Technology in Automation

Track co-chairs

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- ❖ **FOCUS.** The track is focused on the development, adoption and application of information technology (IT) for automation systems

❖ TOPICS

- ❖ IT Modeling Techniques for Automation Systems
 - ❖ Model Driven Development and Model Based Engineering in Automation and Mechatronic Systems
 - ❖ Data Modeling along the Plant Life Cycle
 - ❖ Domain Specific Modeling and Programming Languages
 - ❖ Knowledge-Based Systems, Ontologies and Semantic Web in the Engineering of Automation Systems
 - ❖ IT System Architecture Techniques in Automation Systems
 - ❖ Vertical Integration, Integration with MES and ERP Systems
 - ❖ Information Technology/Operation Technology Convergence
 - ❖ Digital Twins
 - ❖ Industrial Internet of Things
 - ❖ Energy Management in and by Automated Systems
 - ❖ Engineering Methods for Distributed Automation Systems and Cyber-Physical (Production) Systems
 - ❖ Software Reuse, Software Product Lines, Managing Variability, and other Software Engineering Methods in Automation
 - ❖ Dynamically Reconfigurable, Adaptive and Emergent Automation Software/Systems
 - ❖ AI and ML in Automation
 - ❖ Security and Safety in Automation
 - ❖ Case Studies and Application Reports on these Topics
- ❖ **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.

👤 Track Programme Committee

- ❖ Reza Abrishambaf, Miami University
- ❖ Virendra Ashwal, ABB Corporate Research Center Germany
- ❖ Mike Barth, KIT
- ❖ Ahmad Bilal, University of Warwick
- ❖ Enrique Blanco, CERN
- ❖ Robert Brennan, University of Calgary
- ❖ Friederike Bruns, Universität Oldenburg
- ❖ Salvatore Cavalieri, University of Catania
- ❖ Jerker Delsing, Lulea University of Technology
- ❖ Patrick Denzler, TU Wien
- ❖ Mário de Sousa, Universidade do Porto
- ❖ Kirill Dorofeev, Siemens AG
- ❖ Rainer Drath, Hochschule Pforzheim
- ❖ Dieter Etz, ACDP & TU Wien
- ❖ Alexander Fay, Helmut Schmidt Universität
- ❖ Andreas Fernbach, Siemens AG
- ❖ Georg Frey, Universität des Saarlands
- ❖ Thomas Frühwirth, ACDP & TU Wien
- ❖ Sten Grüner, ABB Corporate Research Center Germany
- ❖ Antonio Gutierrez, JKU Linz
- ❖ Georg Hackenberg, University of Applied Sciences Upper Austria
- ❖ Robert Harrison, University of Warwick
- ❖ Robert Lehmann, TU Dresden
- ❖ Omar Jehovani López Orozco, TecNM Campus Apatzingán, Mexico
- ❖ Mainak Majumder, JKU Linz
- ❖ Martin Melik-Merkumians, TU Wien
- ❖ Michael Oberlehner, JKU Linz
- ❖ Fede Pérez, University of the Basque Country
- ❖ Alexander Perzylo, fortiss GmbH
- ❖ Luis Ribeiro, Linköping University
- ❖ Seppo Sierla, Aalto University
- ❖ Thanikesavan Sivanthi, ABB Research Switzerland
- ❖ Lisa Sonnleitner, JKU Linz
- ❖ Gernot Steindl, TU Wien
- ❖ Thomas Strasser, AIT
- ❖ Tarik Terzimehić, fortiss GmbH
- ❖ Jörg Walter, OFFIS
- ❖ Bianca Wiesmayr, JKU Linz
- ❖ Manuel Wimmer, JKU Linz
- ❖ Martin Wollschlaeger, TU Dresden

AUTHOR'S SCHEDULE (2023)

❖Regular and special sessions papers

Submission deadline March 31
Acceptance notification May 5
Deadline for final manuscripts June 16

❖Work-in-progress/ Industry practice papers

Submission deadline May 12
Acceptance notification June 9
Deadline for final manuscripts June 16