

Call for Papers

Track 6 - Distributed and networked control and automation systems

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❖ **FOCUS.** The track focuses on work related to distributed and networked control and automation systems. We encourage submissions from academia and industry related to the topics described below.

❖ TOPICS

- ❖ Model-Driven Development and its application to automation systems (UML, SysML, ...)
- ❖ Domain-Specific Modeling and Programming Languages (IEC 61131, IEC 61499, ...)
- ❖ IT Modeling Techniques (Object - Orientation, Components, Agents, Service-Oriented Architectures, ...) for Automation Systems
- ❖ Toolchains, Platforms, and Frameworks for Software Design and Development
- ❖ Web-of-Things for monitoring and control
- ❖ Performance Analysis
- ❖ System Design and Architecture
- ❖ Self-Configurable and self-recovery Systems
- ❖ Control over Real-Time Ethernet Networks
- ❖ Distributed Architectures for Adaptive Systems
- ❖ Edge/Cloud Computing Architectures for Automation Systems

❖ **AIM.** IEEE INDIN is a flagship conference of IEEE Industrial Electronics Society providing a forum for presentation and discussion of the state-of-art and future perspectives of industrial information technologies, where industry experts, researchers, and academics share ideas and report on recent developments, deployments, technology trends and research results, as well as initiatives related to industrial informatics and their application.

❖ **CONFERENCE FORMAT.** The conference will include multitrack sessions, for both Regular and Special Session papers, to present significant and novel research results with a prospect for a tangible impact on the research area and potential implementations; Industry Forum sessions, in which invited speakers will present use cases, changes, and challenges faced by industry associated with the technical areas of IES; and Tutorials sessions, in which selected speakers will explain state-of-the-art and ongoing hot research techniques and tools, together with hands-on experiments, aimed at solving problems faced by industrial informatics engineers and researchers.

❖ AUTHOR'S SCHEDULE (2020)

❖ Regular and Special Session (SS) papers

SS proposals deadline January 24
Papers submission deadline March 31
Acceptance notification June 11
Deadline for final manuscripts June 30

❖ Tutorials

Tutorial proposals deadline April 23

Track Programme Committee

- ❖ Reza Abrishambaf, Miami University, USA
- ❖ Virendra Ashiwal, Johannes Kepler University, Austria
- ❖ Udayanto Dwi Atmojo, Aalto University, Finland
- ❖ Ananda Shankar Basu, Huawei Research Center, Grenoble, France
- ❖ Enrique Blanco Viñuela, CERN, Switzerland
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- ❖ Huazhen Fang, University of Kansas, USA
- ❖ Georg Frey, Universität des Saarlandes, Germany
- ❖ Roman Froschauer, University of Applied Sciences Upper Austria, Austria
- ❖ Robert Harrison, University of Warwick, UK
- ❖ Peter Herrmann, NTNU, Norway
- ❖ Huiping Li, Northwestern Polytechnical University, China
- ❖ Changxin Liu, University of Victoria, Canada
- ❖ Mingxi Liu, University of Utah, USA
- ❖ Niels Lohse, Loughborough University, UK
- ❖ Omar J. López Orozco, Instituto Tecnológico Superior de Apatzingán, Mexico
- ❖ Martin Melik Merkmians, Vienna University of Technology, Austria
- ❖ Bingxian Mu, University of New Hampshire, USA
- ❖ Roman Obermaier, University of Siegen, Germany
- ❖ Ian Peake, RMIT, Australia
- ❖ Li Qiu, Shenzhen University, China
- ❖ Ben Schneider, fortiss GmbH, Germany
- ❖ Muddasir Shakil, Johannes Kepler University, Austria
- ❖ Dawei Shi, Beijing Institute of Technology, China
- ❖ Yang Shi, Victoria University, Canada
- ❖ Thanikesavan Sivanthi, ABB Corporate Research, Switzerland
- ❖ Lisa Sonnleitner, Johannes Kepler University, Austria
- ❖ Henglai Wei, University of Victoria, Canada
- ❖ Bianca Wiesmayer, Johannes Kepler University, Austria
- ❖ Manuel Wimmer, Department Business Informatics – Software Engineering, Johannes Kepler University, Austria
- ❖ Kunwu Zhang, University of Victoria, Canada
- ❖ Qian Zhang, University of Victoria, Canada
- ❖ Zhuo Zhang, Northwestern Polytechnical University, China
- ❖ Alois Zoitl, Johannes Kepler University, Austria