

Call for Papers

Track 10 - Factory Automation and Communication Systems

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❖ **FOCUS.** In response to current trends of the Industrial Internet of Things (IIoT), Track 10 covers various aspects of relevance for factory automation and communication systems. Besides topics related to industrial communication (safety and security) and innovative systems architectures bridging operational technology and information technology, specific focus of the track is put on suitable means of examining large and varied data sets originating from automated manufacturing systems as well as novel solutions leveraging the engineering of future automation systems.

❖ TOPICS

- ❖ Automated manufacturing systems
- ❖ Distributed planning and control of industrial systems
- ❖ Security analysis and privacy enforcement in factory automation
- ❖ Service-oriented architectures in factory automation
- ❖ Edge, fog and cloud computing for factory automation
- ❖ Big data and data mining in factory automation
- ❖ Industrial communication systems (wired/wireless)
- ❖ Industrial Internet of Things (IIoT) in Factory Automation
- ❖ Communication in Industry 4.0
- ❖ IT/OT convergence
- ❖ Remote configuration and network management
- ❖ Critical and real time solutions for factory automation and communication systems
- ❖ Security and safety for industrial communications and control

❖ **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 (2021)

❖ 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

- ❖ Barata José, UNINOVA, Portugal
- ❖ Becker Leandro Buss UFSC, Brazil
- ❖ Diedrich Christian ifak, Germany
- ❖ Denzler Patrick TU Wien, Austria
- ❖ Etz Dieter TU Wien, Austria
- ❖ Hancke Gerhard CityU, Hong Kong
- ❖ Hansson Hans Mälardalen University, Sweden
- ❖ Harrison Robert University of Warwick, UK
- ❖ Schöberl Martin DTU, Denmark
- ❖ Steiner Wilfried TTTech, Austria
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