



Call for Papers

TT 07 – Industrial Digitalization, Digital Twins in Industrial Applications

- **Focus** - This track will focus on research for novel solutions, methodologies, and technologies used in the digitalisation of company processes and workflows, as well as the introduction and use of digital twins in simulations, control, verification and testing. Reports on results and insights gained during the practical application and use of digital twins, as well as efforts to increase company digitalisation, are also welcome.
- **Topics**
 - Technologies and standards for digitalisation and Digital Twins
 - Design and engineering of Digital Twins
 - Digital Twin applications and technologies
 - Simulations and Digital Twins
 - Verification and testing with the help of Digital Twins
 - Digital Twins in the context of Virtual and Augmented Reality
 - Cloud/Edge industrial data analytics
 - Migration of technologies and industry systems
 - Digitalisation tools and technologies
 - Challenges, visions and roadmaps for industrial digitalisation
 - IoT infrastructures and technologies for Digital Twin applications
 - Machine Learning in the context of Digital Twins
 - Big data in industrial digitalisation
 - Application and definition of ontologies for industrial digitalisation
 - Digital Twins for brownfield plants and retrofits
 - Empirical use cases
- **Aim & Scope** - 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.
- **Solicited Papers**
 - Regular research papers reporting on new developments in technological sciences
 - Special Session papers to stimulate in-depth discussions in special areas relevant to the conference theme
 - Industry and development papers reporting on actual developments of technology, products, systems and solutions
 - Tutorials

Track Chairs

Alexander Fay, HSU HH, Germany
Wolfgang Kastner, TU Wien, Austria
Zhibo Pang, ABB SE, Sweden

Track Program Committee

Alexander Perzlyo, fortiss GmbH, Germany
Bianca Wiesmayr, Johannes Kepler University Linz, Austria
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Georg Hackenberg, FH OÖ, Austria
Gernot Steindl, TU Wien, Austria
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Markus Jung, Baluff, Germany
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Important Dates

Submission of papers (regular, special sessions)

March, 31, 2023 | March, 31, 2023

Notification of acceptance

April, 15, 2023 | May, 15, 2023

Submission of final manuscript

June, 05, 2023