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

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

**Track Program Committee**
Alexander Perzylo, fortiss GmbH, Germany
Bianca Wiesmayr, Johannes Kepler University Linz, Austria
Birte Caesar, HSU Hamburg, Germany
Chen-Wei Yang, Luleå University of Technology, Sweden
Constantin Wagner, DB Netz AG, Germany
Dieter Ezz, Center for Digital Production, Austria
Dietmar Winkler, Center for Digital Production, Austria
Federico Pérez, University of the Basque Country, Spain
Georg Hackenberg, FH OÖ, Austria
Gernot Steindl, TU Wien, Austria
Jörg Walter, Offis Oldenburg, Germany
Kevin Feichtinger, Johannes Kepler University Linz, Austria
Kirill Dorofeev, Siemens AG, Germany
Kristof Meixner, TU Wien, Austria
Luís Manuel Camarinha-Matos, Uninova, Portugal
Markus Jung, Baluff, Germany
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Patrick Denzler, TU Wien, Austria
Petri Kannisto, Tampere University of Technology, Finland
Prema Juhlin, ABB Corporate Research Center, Germany
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Thomas Frühwirth, TU Wien, Austria
Virenda Ashiwal, ABB Corporate Research Center, Germany

**Important Dates**
- Submission of papers (regular, special sessions): March 31, 2023
- Notification of acceptance: May 15, 2023
- Submission of final manuscript: June 05, 2023