INDIN 2023

21st IEEE International Conference on Industrial Informatics

17th –20th July 2023 | Lemgo, Germany

IEEE Industrial Electronics Society · ies · IEEE

Call for Papers
Track 01 – Industrial Cyber-Physical Systems, Industrial Agents and Applications

- ■ **Focus** – This track focuses on cutting edge technologies related to the industrial cyber-physical systems and industrial agents. Industrial cyber-physical systems and industrial agents are the key for enabling autonomous manufacturing in Industrial 4.0 and Industrial Internet. In this track, all industrial CPS and agents related researches will be covered from all perspectives of industrial applications including reference architectures, data models, multi-agent systems, industrial computing and edge computing and much more.

- ■ **Topics**
  - Industry 4.0 Technologies, Solutions and Applications
  - Industrial Digitalization and Design Process
  - ICPS Architectures, Reference Models and Life Cycle Management
  - Model-Driven Engineering in Industry (AutoML, PackML, B2MML, OPC-UA, MTP)
  - Industrial Multi-Agent Systems
  - Industrial Internet of Things (IIoT) and Industrial Internet of Services (IIoS)
  - Service-Oriented Architectures and Microservices in Industrial Automation
  - Connectivity, Networking and Interoperability in Edge-Cloud infrastructures
  - Artificial Intelligence, Machine Learning and Big Data for ICPS
  - Digital Twins in ICPS
  - ICPS Privacy, Fault Tolerance, Safety and Security
  - CPS Synthesis and Verification
  - Human Factors in ICPS and Hybrid human-cyber intelligence technologies in Industry
  - Performance Measures and Benchmarking for ICPS
  - Educating and Learning ICPS in Industrial Informatics

- ■ **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

Wenbin Dai, Shanghai Jiao Tong University, China
Ilya Kovalenko, The Pennsylvania State University, USA
Luis Ribeiro, Linköping University, Sweden

Track Program Committee

Zhihan Lv, Uppsala University, Sweden
Bo Yang, Shanghai Jiao Tong University, China
Tao Zheng, Beijing Jiao Tong University, China
Geng Yang, Zhejiang University, China
Mohamed Gamal Hussien, Tanta University, Egypt
Chen-Wei Yang, Lulea University of Technology, Sweden
Shanying Zhu, Shanghai Jiao Tong University, China
Roopak Sinha, Auckland University of Technology, New Zealand
Soundar Kumara, Pennsylvania State University, USA
Kira Barton, University of Michigan, USA
Miguel Saez, General Motors, USA
Andre Dionisio Rocha, Universidade Nova de Lisboa, Portugal
Martin Hochwallner, Linköping University, Sweden

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Important Dates

Submission of papers (regular, special sessions)
~~March, 01, 2023~~ March, 31, 2023
Notification of acceptance
~~April, 15, 2023~~ May, 15, 2023
Submission of final manuscript
June, 05, 2023