INDIN 2023

21st IEEE International Conference on Industrial Informatics

17th –20th July 2023 | Lemgo, Germany

Call for Papers
Track 10 – Technologies, Infrastructures and Applications for Smart Grids, Buildings, and Cities

■ **Focus** – Smart Grids, Buildings, and Cities are tremendously sophisticated, embracing all people and an enormous number of devices, networks, systems, and applications. Thus, the management of smart infrastructures becomes challenging. This track covers all industrial informatic topics related to emerging cyber-physical systems and next generation networks, for smart grids, buildings, and cities.

■ **Topics**
- City infrastructure, cyber-physical infrastructure
- Next generation networks, satellite communication and 5G applications
- Robotics, UAV and smart X applications
- Edge computing, big Data, analytics, and green computing
- Energy and buildings, advanced sustainable buildings
- Smart harbours, smart environment, smart mobility
- Smart health care, smart hospital, smart elderly
- Cyber security, blockchain, smart contracts and data privacy
- Machine learning, data mining and optimization in power and energy systems
- Emerging technologies in smart energy systems, end-user systems
- Microgrids, smart and sustainable grids, and virtual power plants
- Grid resiliency, reliability, stability and protection
- Interoperability of Energy Technology and Information Technology
- Demand response system, flexibility, energy markets and New energy services
- Integration, control, and management of distributed energy resources
- Energy distribution and controlling system
- Wide area automation technology in smart city and smart grid
- Quality of services in smart city and smart grid
- Simulation, evaluation, and optimization of energy systems

■ **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

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