19th IEEE International Conference on Industrial Informatics INDIN'21

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Call for Papers

Track 11 - Technologies, infrastructures and applications for smart grids, buildings, cities and smart cities

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❖ **FOCUS** Smart Infrastructure is tremendously sophisticated, embracing all people and an enormous number of devices, networks, systems, and applications. The management of the smart infrastructures becomes challenging. In this track, the emerging cyber-physical infrastructure, next generation networks, cybersecurity, machine learning, etc., are interested. Researchers are invited to propose and share contributions in this discipline.

❖ **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 harbors, 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** 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.

Track Programme Committee

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❖ **CONFERENCE FORMAT** The conference will include multitrack sessions, for both Regular an 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 (2020)**

❖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