

IEEE COINS 2023

IEEE International Conference on Omni-layer Intelligent Systems

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Berlin, Germany | Hybrid

July 23-25, 2023

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Call for
Papers

Track: Smart Energy Systems

The motivation of this track is to solicit the efforts and ongoing research work in the domain of Control Algorithms and Platforms, IoT, machine learning, data science, and blockchain for Smart Energy System and Grids. Specific topics include, but are not limited to, the following:

- Control Algorithms for Energy Management and Smart Grids.
- Real-time Control Platforms for Smart Grids.
- Smart Integration of Renewables Energies.
- Data science for Smart Grids and Energy Internet
- IoT for Smart Grids and district heating and cooling networks
- IoT-Based Architecture for Advanced Metering Infrastructures (AMI).
- Micro Phasor Measurements Units (μ PMU) for Smart Distribution Grids
- Intelligent demand-side management and demand response
- Artificial Intelligence for Distributed Energy Resource (DER) management
- IoT-based solutions in electric vehicle charging infrastructure
- Advanced Energy Management Systems for smart homes, buildings, and cities
- Edge-fog-cloud computing for smart energy systems and grids
- Time-Sensitive Networking for 5G and Massive IoT traffic
- Distributed Ledger Technologies (DLTs) and blockchain for Transactive Energy Management
- Security, safety and privacy in smart energy systems and grids

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