Call for Papers

Smart Energy Systems (SES) Workshop

The 20th International Conference on Wireless Communications and Mobile Computing

Website: http://iwcmc.org/2024/

Submission Link: https://edas.info/newPaper.php?c=31542

May 27-31, 2024, Cyprus

Chair:

Hassan Noura, University of Franche-Comté, France, hassan.noura@univ-fcomte.fr

Co-Chairs:

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Scope

In an era marked by heightened demands for efficiency, security, and sustainability in modern energy systems, the integration of machine learning solutions becomes pivotal. The Smart Energy Systems (SES) Workshop is dedicated to exploring innovative approaches in the realm of smart energy systems, focusing on the transformative power of machine learning to overcome existing challenges and limitations, such as optimizing energy efficiency, fortifying cybersecurity, enabling predictive analytics in energy production and consumption, promoting sustainable practices, and providing real-time decision support for dynamic conditions. Join us in harnessing the potential of machine learning to revolutionize smart energy solutions and ensure a resilient, cost-effective, and sustainable energy future.

Topics

Accepted papers will be published in the IEEE IWCMC 2024 proceedings and will be submitted to the IEEE digital library (IEEE Xplore). Authors are welcome to submit original papers (not published before or simultaneously to another venue) with topics that include but are not limited to:

- AI/ML-Based Smart Energy Solutions
- Smart Renewable Energy Systems
- Predictive Analytics in Energy Consumption
- Real-time Decision Support
- Fault Detection and Diagnostics
- Energy Storage Management
- Cybersecurity for Smart Energy Systems
- Grid Resilience
- Demand Response Optimization
- Energy Production and Consumption
- Smart Cities Energy Management
- IoT for Smart Energy

- Blockchain and Energy Transactions

- Edge Computing for Smart Energy Systems

- Energy-Aware Manufacturing

- Energy-Efficient Transportation Systems

- Intelligent Home Energy Management

- Sustainable Data Centers

- Adaptive Energy Distribution Networks

- Resilient Machine Learning for Energy Infrastructure

- Cloud-Based Energy Management Systems

- Fog Computing for Real-Time Data Processing

- Lightweight Machine Learning for Smart Energy

- Cognitive Buildings

- Innovative Engineering Applications of Machine Learning

Important Dates

All deadlines are the same as those of the main conference.

Note: Within this workshop, there will be one Best Paper Award.