

Special Issue

Artificial Intelligence and Machine Learning Applications in Smart Energy Systems

Message from the Guest Editors

This Special Issue aims to present original research articles, review papers, and case studies that demonstrate innovative applications of AI and ML in smart energy systems. Topics of interest include, but are not limited to:

- Machine learning for energy forecasting;
- Artificial intelligence in demand response;
- Intelligent control and optimization of energy systems;
- Big data analytics for smart grids;
- Reinforcement learning for energy management;
- Deep learning for energy system modeling and simulation;
- Cybersecurity and privacy in smart energy systems;
- Human-machine interactions and decision making in smart energy systems.

We invite researchers and practitioners to submit their original research and review papers on these and other related topics. All submitted manuscripts will undergo a rigorous peer-review process to ensure they are high quality and original. We look forward to your valuable contributions to this Special Issue.

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Message from the Editor-in-Chief

Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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