

Special Issue

Machine Learning and Artificial Intelligence Techniques Applications in Renewable Energy Systems

Message from the Guest Editor

This Special Issue aims to collect and promote the most recent advances in the theory and applications of machine learning and artificial intelligence for renewable energy systems. Contributions focusing on renewable generation forecasting and optimization, fault detection, energy storage management, the control of distributed energy resources, microgrid optimization, cybersecurity and data management, and smart grid operation are particularly encouraged. Topics of interest for publication include, but are not limited to, the following:

- renewable and smart energy systems
- smart grids
- building energy management systems
- demand response
- energy forecasting
- artificial intelligence and machine learning
- evolutionary algorithms and metaheuristics
- multi-agent systems
- optimization
- cybersecurity
- predictive maintenance

Guest Editor

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About the Journal

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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