Special Issue

Machine Learning-Based Energy Forecasting and Its Applications

Message from the Guest Editors

The main aim of this Special Issue is to present a forum for researchers comprising the entire range of artificial intelligence and machine-learning-based applications in the energy sector. This Special Issue will focus on essential AI-based applications in the energy sector. However, it is not limited to the following:

- Supply and demand patterns variations;
- Management analysis of energy sector;
- Optimization of renewable energy using machine learning;
- Forecasting model for wind speed and solar radiations;
- AI to overwhelm future energy problems;
- Fluctuations in electricity prices and control energy usage;
- Predictive models for smart grids;
- Forecasting of PV power generation;
- Electricity market price prediction using advanced deep learning;
- Ensemble forecasting models;
- Reinforcement learning and predictive control for smart energy systems;
- Data mining applications in understanding electricity consumers;
- Hybrid and combined models.

Guest Editors

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Prof. Dr. Jeong-Do Park

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Deadline for manuscript submissions

closed (30 November 2021)

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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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