Special Issue

Advances in Sustainable Power and Energy Systems

Message from the Guest Editors

This Special Issue aims to showcase the most recent advances related to the application of different artificial intelligence techniques in the control and optimization of smart grids employing alternative and renewable energy sources and the development smart grid structures that dynamically adapt to changing supply-and-demand dynamics, improving the overall system resilience and stability. The topics of interest include but are not limited to the following:

- Grid management systems based on artificial intelligence;
- Energy distribution network optimization by adapting to changing demand and integrating different energy sources;
- AI to smooth the integration of renewable energy sources, such as solar and wind power, into the grid by predicting weather conditions and adjusting energy production accordingly;
- AI for energy efficiency and demand management;
- AI-based innovations in the energy sector;
- AI-based energy management systems;

It is recommended to send a tentative title and a shortsummary of the manuscript to Energies Editor Ms. Cicilia.

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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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