Special Issue

Energy and Artificial Intelligence

Message from the Guest Editor

The world is entering a new age driven by data, and taking advantage of the opportunities offered by Artificial Intelligence (AI) and Machine Learning becomes a business necessity. This Special Issue will deal with novel AI and ML application in the energy sector. Topics of interest for publication include but are not limited to:

- Data science in the energy sector;
- AI in the process of energy transformation and decarbonization;
- Forecasting;
- Smart grids;
- Anomalies and failures of prediction in the energy sector;
- Intelligent prevention of energy theft;
- Intelligent control of energy systems;
- Intelligent energy generation;
- Collection and use of data in the energy sector;
- AI and ML, energy, and society;
- AI and ML in energy-related research;
- Big data in energy;
- Design of materials, devices, and energy systems based on data;
- The Internet of Things in the energy sector;
- Virtual reality in energy;
- Maximizing energy efficiency with the use of AI and ML;
- AI and the human factor in energy;
- Energy robotics;
- Energy modeling.

Guest Editor

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Deadline for manuscript submissions

closed (15 November 2022)

Energies

an Open Access Journal by MDPI

**Impact Factor 3.2
CiteScore 7.3**

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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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