Special Issue

Predicting the Future—Big Data and Machine Learning

Message from the Guest Editor

Due to the increase in the capabilities of microprocessors and to the advent of graphics processing units (GPUs) in recent decades, the use of machine learning methodologies has become popular in many fields of science and technology. This fact, together with the availability of large amounts of information, has meant that, nowadays, machine learning and Big Data have an important presence in the field of Energy. This Special Issue will focus on applications of Big Data architectures and machine learning methodologies in the field of energy. Topics of interest for publication include, but are not limited to:

- Big data architectures of power supply systems;
- Energy exploration and exploitation: energy management modeling;
- Energy in physical cosmology;
- Energy saving and efficiency models;
- Environmental effects of energy consumption;
- Pollution forecasting related to the generation of energy;
- Prediction of occupational health and safety outcomes in the energy industry;
- Price forecast prediction of raw materials for energy production: coal, gas, oil, uranium, etc.;
- Predictive analysis of energy resources;
- Energy management of smart buildings.

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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