Special Issue

Machine Learning Techniques for Energy Systems

Message from the Guest Editor

With the rapid development of computational power in the last ten years, machine learning techniques based on the neural networks of the past have been given new life since they now can be studied and utilized using many layers. This has led to the discovery of so-called deep learning techniques that have numerous potential applications to many real physical and/or artificial (manmade) systems. The use of machine learning technique in all areas of science and engineering appears to be the imperative of modern times, especially in the past three to four years. Although many journal papers have been published on the use of machine learning in energy systems, a lot of research opportunities still exist in this area. The time has come for researchers in energy systems to systematically use machine learning techniques and algorithms to make energy systems more efficient, better controlled and stabilized, better managed, more ecologically friendly, more user friendly, and provide guidelines for how to build future energy systems for various applications in diverse engineering and scientific fields.

Guest Editor

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Deadline for manuscript submissions

closed (30 September 2020)

Energies

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 7.3

mdpi.com/si/38987

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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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