Special Issue

The Application of Machine Learning in Electrical Drive Renewable Energy Systems

Message from the Guest Editor

Machine learning models are broadly applied in powerelectronic-based industrial drive systems. This includes speed and torque control of various dc and ac drives, feedback control of converter, tuning of offline P-I and P-I-D, nonlinearity compensation, online and offline computing, modeling, estimation of parameters, performance optimization of drive systems based on online finding, assessment for distorted waves, and many more. There is also a development in the accuracy, robustness, precision of the machine learning models in the energy systems by using various hybrid models.

- power system
- solar energy
- wind energy
- industrial drives
- electrical machines
- machine learning
- hybrid model
- energy system
- multi-level inverter

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Deadline for manuscript submissions

closed (20 January 2022)



Energies

an Open Access Journal by MDPI

Impact Factor 3.2 CiteScore 7.3



mdpi.com/si/87853

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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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