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 power-electronic-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

Guest Editor

Dr. Manoj Kumar Sahu
Department of Electrical Engineering Faculties, Biju Patnaik University of Technology (BPUT), Rourkela 769015, India

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

Energies
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
energies@mdpi.com

mdpi.com/journal/energies

Energies

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 7.3

mdpi.com/journal/energies

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.

Editor-in-Chief

Prof. Dr. Enrico Sciubba
Department of Mechanical and Industrial Engineering, University Niccolò Cusano, 00166 Roma, Italy

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, RePEc, Inspec, CAPlus / SciFinder, and other databases.

Journal Rank:

CiteScore - Q1 (Control and Optimization)

MDPI