Neural Network for Predicting in Energy Systems

Guest Editors:

Dr. Lukasz Sobolewski
Institute of Metrology, Electronics and Computer Science,
University of Zielona Góra, 65-417 Zielona Góra, Poland

l.sobolewski@imei.uz.zgora.pl

Dr. Piotr Powroźnik
Institute of Metrology, Electronics and Computer Science,
University of Zielona Góra, 65-417 Zielona Góra, Poland

p.powroznik@imei.uz.zgora.pl

Deadline for manuscript submissions:
15 August 2023

Message from the Guest Editors

Dear Colleagues,

It is hard to imagine a modern world without artificial intelligence. Currently, artificial intelligence surrounds us at every step. Its application is increasing not only in traditional application areas, but also in newer areas, including energy management systems, renewable energy conversion systems, electric aircraft, aviation, electric vehicles, unmanned propulsion systems, robotics, etc. One of the fundamental techniques used in applications of artificial intelligence are neural networks.

This Special Issue aims to present and disseminate the latest advances in the theory, design, modeling, application, control and monitoring of energy systems using artificial intelligence, including neural networks.

Topics of interest for publication include:

- Neural network for predicting in energy systems;
- Energy management systems algorithms;
- Predicting in energy systems;
- Energy-related services
- Data processing in energy management systems;
- Advanced modelling approaches of energy systems;
- User-oriented energy management systems designs;
- IoT
- Deep learning
- Load forecasting;
- Renewable energy sources.

Special Issue

Editor-in-Chief

Prof. Dr. Enrico Sciubba
Department of Mechanical and
Aerospace Engineering,
University of Roma Sapienza, Via
Eudossiana 18, 00184 Roma, Italy

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.

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 (*Engineering (miscellaneous)*)

Contact Us