Time Series Forecasting for Energy Consumption

Message from the Guest Editor

In the last few years, there has been considerable progress in time-series forecasting algorithms, which are becoming more and more accurate, and its applications are numerous and varied. Specifically, predicting accurately energy consumption in a particular building, country, etc. is an important task to properly manage energy efficiency. Moreover, it can be advantageous to carry this out in a short time taking into account the new consumption paradigm. On the other hand, the time horizon must be considered, which can be short, medium, or long-term. For this reason, it is important to develop and implement new intelligent models faster and more accurately. In this way, the application of Big Data and Machine Learning techniques have become essential to achieve this goal. This Special Issue seeks to contribute to the advancement of energy consumption prediction using artificial intelligence models in an optimal and precise manner. We invite papers on innovative artificial intelligence applications to energy consumption forecasting, including reviews and case studies.

Guest Editor

Prof. Dr. María del Carmen Pegalajar Jiménez

Department of Computer Science and Artificial Intelligence, ETS de Ingenierías Informática y de Telecomunicación (ETSIIT), Universidad de Granada, 18010 Granada, Andalusia, Spain

Deadline for manuscript submissions

closed (2 April 2021)

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)