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Applications of Machine Learning and Soft Computing in Energy Use Forecasting

Guest Editors:

Prof. Dr. Elpiniki I. Papageorgiou

Department of Energy Systems,
Faculty of Technology, University
of Thessaly, Geopolis Campus,
GR 41500 Larissa, Greece

Dr. Katarzyna Poczęta

Faculty of Electrical Engineering,
Automatics and Computer
Science, Department of
Computer Science Applications,
Kielce University of Technology,
al. Tysiąclecia Państwa Polskiego
7, 25-314 Kielce, Poland

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Message from the Guest Editors

Dear Colleagues,

The aim of this Special Issue is to present recent developments in the application of soft computing techniques using novel machine learning algorithms to forecast energy use.

The increasing economic and ecological energy costs raise the need to develop new techniques and novel tools which could help in better understanding energy use behavior and finding ways to reduce energy consumption. Nonetheless, there is the need to monitor various variables affecting energy consumption and accurately forecast energy use.

The Special Issue is devoted to original contributions in machine learning algorithms and soft computing techniques applied in energy use forecasting. We invite original papers that showcase innovative models and algorithms, deployed case studies, experimental research, or state-of-the-art reviews on this trajectory. Potential topics include but are not limited to supervised, evolutionary or hybrid learning algorithms, deployment of novel applications on energy use forecasting, explainability models for energy forecasting, comparative analysis of various soft computing, and artificial intelligence models, as well as decision support systems.

Special Issue



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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

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Energies Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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