Special Issue

Forecasting in Electricity Markets with Big Data and Artificial Intelligence

Message from the Guest Editors

The latest analytical and computational tools for decision making under uncertainty have found an important field of application in power systems in the new Big Data era. In particular, these techniques can efficiently assist consumers and utilities to make informed decisions under new technological paradigms: the increased adoption of electric vehicles, the impact of weather on renewable energy sources, the integration of large-scale storage systems, the availability of consumption data from smart meters, and the adoption of demand response policies, among others.
This Special Issue aims to collect original research or review articles on:

- Descriptive analytical tools and forecasting for smart meter data, consumption profiles, hourly day-ahead prices, weather patterns and their influence on consumption, etc.
- Forecasting techniques for renewable energy, consumption, electricity prices, etc.
- Machine learning tools (prediction, classification, clustering, etc.) to extract consumption profiles, cluster similar consumers, design of tariffs, demand response...

Related topics may also be considered, and we recommend sending a tentative title and a short summary of the manuscript.

Guest Editors

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Dr. Francisco Javier Nogales

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Deadline for manuscript submissions

closed (25 November 2021)

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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

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