



Forecasting in Electricity Markets with Big Data and Artificial Intelligence

Guest Editors:

Dr. Andrés M. Alonso

Institute Flores de Lemus and
Department of Statistics,
Universidad Carlos III de
Madrid Calle Madrid, 126, 28903
Getafe, Spain

Dr. Francisco Javier Nogales

Institute UC3M-Santander of
Financial Big Data and
Department of Statistics,
Universidad Carlos III de Madrid
Avda. de la Universidad, 30,
28911 Leganés, Spain

Dr. Carlos Ruiz

Institute UC3M-Santander of
Financial Big Data and
Department of Statistics,
Universidad Carlos III de Madrid
Avda. de la Universidad, 30,
28911 Leganés, Spain

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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.



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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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