

Special Issue

Advanced Forecasting Methods with Applications to Smart Grids

Message from the Guest Editors

This Special Issue aims to present advanced forecasting methods with applications that cover diverse practical challenges in smart grid systems. The welcome original research as well as review articles targeting the following topics (but not limited to these):

- Forecasting methods for photovoltaic power and solar irradiance;
- Forecasting methods for wind generation systems and wind speed;
- Forecasting methods for electric vehicle charging profiles;
- Forecasting methods for load demand and consumption;
- Forecasting methods for energy prices;
- Ensemble forecasting approaches based on deep learning and metaheuristics;
- Probabilistic forecasting methods;
- Energy forecasting based on multi-source data (tabular data, images, etc.);
- Remaining useful life forecasting in smart grid systems;
- Forecasting methods with IoT data for building energy management systems;
- Sentiment analysis and forecasting methods for smart grid applications.

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About the Journal

Message from the Editor-in-Chief

The new open access journal *Forecasting* provides an interdisciplinary forum for all aspects related to the immensely broad field of time series analysis and forecasting. The range of applications in forecasting is enormous, from energy forecasting or economic analysis of stock indices prediction, climate forecasting, chemical or natural process forecasting, etc. It is the aim of the journal to publish relevant topical contributions for the scientific community of forecasting in a timely manner. We would like to invite you to contribute to the journal by sending us your high quality research papers and would be pleased to welcome you as one of our authors.

Editor-in-Chief

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Author Benefits

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Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 22.9 days after submission; acceptance to publication is undertaken in 2.7 days (median values for papers published in this journal in the first half of 2025).