Special Issue

Forecasting and Risk Management Techniques for Electricity Markets, 3rd Edition

Message from the Guest Editor

Since the launch of the first edition of this Special Issue in 2020, the landscape of electricity markets has undergone rapid and profound transformation. The large-scale integration of renewable energy sources—particularly solar and wind—has significantly increased uncertainty in electricity markets due to their intermittent nature. This trend has highlighted the essential role of accurate forecasting in stabilizing grid systems, especially in real-time balancing and dispatch operations. At the same time, electricity prices have become increasingly volatile due to global energy price surges and the deregulation of electricity markets. The resulting risks—ranging from procurement cost uncertainty for suppliers to exposure for consumers—have elevated the importance of market forecasting and the development of financial instruments such as derivatives for hedging price fluctuations. Building upon these recent trends, we are pleased to launch the third edition of our Special Issue. We welcome original research articles and review papers that address emerging challenges and opportunities in forecasting and risk management for modern electricity markets.

Guest Editor

Prof. Dr. Yuji Yamada
Institute of Business Sciences, University of Tsukuba, 3-29-1 Otsuka, Bunkyo-ku, Tokyo 112-0012, Japan

Deadline for manuscript submissions

25 November 2026

Energies

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 7.3

mdpi.com/si/240513

Energies
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
energies@mdpi.com

mdpi.com/journal/energies

Energies

an Open Access Journal
by MDPI

Impact Factor 3.2
CiteScore 7.3

mdpi.com/journal/energies

MDPI

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)