Special Issue

Advances in AI Methods for Wind Power Forecasting and Monitoring

Message from the Guest Editors

This call for a special issue seeks to gather the latest research on artificial intelligence (AI) methods for forecasting and monitoring wind power. Accurate wind power forecasting and monitoring are essential for efficient energy management and grid stability. However, they are challenging due to the intermittent nature of wind. AI-based methods, such as machine learning, deep learning, fuzzy logic, and evolutionary computing, can improve accuracy and reliability and provide valuable insights for energy management and decision-making. This special issue invites researchers and practitioners to submit original research articles, reviews, and case studies on various topics related to AI-based wind power forecasting and monitoring, including integration with traditional methods, anomaly detection/identification, and wind power management. This special issue encourages researchers to share insights on AI methods for wind power control, forecasting, and monitoring. It promotes collaboration and knowledge-sharing between researchers and practitioners to develop more accurate and reliable methods.

Guest Editors

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Deadline for manuscript submissions

closed (31 December 2024)

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.

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