

Special Issue

Forecasting and Risk Management Techniques for Electricity Markets II

Message from the Guest Editor

The role of forecasting and risk management techniques for electricity markets is becoming increasingly important. Due to the rapid introduction of solar power and other renewable electricity sources, weather and climate changes' impact on electricity markets in both price and volume executions is growing and the market participants may struggle with uncertainties. Moreover, the system operator (or an aggregator in the region) is required to adjust the imbalance using a backup thermal generation system to match real-time power production with electricity consumption, which results in additional cost or a loss caused by prediction errors. Thermal power is another source of uncertainty in electricity markets, as the cost of generating it largely depends on fuel prices and the type of energy. In such a situation, we need to develop more advanced theories and technologies for supporting risk management in electricity markets, including distributed energy resources (DERs) and peer-to-peer (P2P) energy trading systems.

Guest Editor

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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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