Special Issue

Coupling AI in Electricity Markets

Message from the Guest Editors

Electricity markets are key areas for achieving the energy transition and low-carbon development of smart grids, as well as being important application areas for artificial intelligence (AI) technologies. AI is widely considered to be a powerful technology that can effectively process the massive data in electricity markets, improve the efficiency and reliability of electricity markets, and foster the innovation and transformation of electricity markets. This Special Issue welcomes various papers related to "AI + electricity markets", including but not limited to the following topics:

- AI applications in electricity market forecasting, scheduling, optimization, and control;
- AI applications in electricity market security, stability, and fault diagnosis;
- AI applications in electricity market demand response, distributed energy, and energy storage;
- AI applications in electricity market trading, pricing, and market design;
- AI applications in electricity market regulation, policy, and social impact;
- AI applications in the electricity market: new modes, new formats, and new technologies;

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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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