

Special Issue

Advances and Optimization of Electric Energy System—2nd Edition

Message from the Guest Editors

The optimization of the power system not only needs to consider the operating characteristics of the generation resources, but also needs to take into account the uncertainty of distributed power sources, the travel rules of electric vehicles, the comfort level of electric energy users, etc. Therefore, it is necessary to fully investigate the advances of electric energy systems and design more feasible, efficient, and robust optimization strategies. Papers in the relevant areas of Advances and Optimization of Electric Energy System, including but not limited to the following issues, are invited:

- Modeling and optimization of electric energy system;
- Modeling and management of flexible loads;
- Scheduling of high renewable penetrated electric power system;
- Load forecasting of electric energy system;
- Electricity market design for source–load interaction;
- Coordinated operations of integrated energy systems;
- Vehicle-to-grid (V2G) optimization and control technologies;
- Optimization and control of energy storage systems;
- Review of advances in electric energy system.

Guest Editors

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Deadline for manuscript submissions

closed (20 January 2026)



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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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