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Research on Operation Optimization of Energy Systems

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Deadline for manuscript submissions:

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Message from the Guest Editors

Dear Colleagues,

This Special Issue aims to present the most recent advances related to the optimization of all types of energy systems, including the theory, design, modelling, control, and application of systems that are involved in the optimization of energy generation and utilization.

Topics of interest for publication include, but are not limited to:

- Modelling and optimization of power generation systems;
- Flexibility enhancement of traditional power generation processes;
- Condition monitoring of equipment in energy systems;
- Intelligent control of key parameters in power generation systems;
- Economic operation, pollution emissions and carbon reduction during the energy generation process;
- Optimal dispatch of multi-energy systems;
- Energy storage capacity optimization in different scenarios;
- Optimization of integrated energy systems;
- Cost and efficiency evaluation of energy systems;
- Novel applications of optimized energy systems;
- Software and design related to energy system optimization.



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Special Issue



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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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