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Sustainable Technologies for Energy System Design, Analysis and Optimization

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Message from the Guest Editors

Energy systems are vital across various industries such as electric power, aerospace, manufacturing, smelting, processing, transportation and construction. Designing, analyzing and optimizing these energy systems are crucial for efficient energy utilization. Moreover, there is a growing emphasis on designing and optimizing sustainable and renewable energy systems to address global warming concerns. This Special Issue seeks papers focusing on sustainable technologies for enhancing the design, analysis and optimization of energy systems to enhance their efficiency and security. We welcome contributions from scholars worldwide to enrich the diversity of perspectives in this Special Issue. Both research and review papers are encouraged, covering a range of topics including, but not limited to, the following:

- Thermal system design;
- Energy system optimization;
- Renewable energy utilization;
- Inverse heat transfer analysis;
- Automation technology;
- Parameter identification;
- Energy storage technology;
- Intelligent manufacture technology;
- Refrigeration systems;
- Cold chain;
- Thermal management for electronic devices.

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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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