

Special Issue

Modeling and Optimization of Battery Energy Storage Systems

Message from the Guest Editors

This Special Issue aims to present and disseminate recent advances in the theory, design, modeling, application control, and optimization of all types of battery energy storage systems. The scope of this Special Issue includes, but is not limited to, the following topics:

- All aspects of Li-ion battery energy storage systems, Lead-acid battery storage systems, and other battery energy storage systems;
- Applications of battery energy storage systems;
- Electrochemical and thermal modeling techniques;
- State estimation and health monitoring techniques;
- Optimal design methodologies;
- Intelligent control algorithms;
- Charging and discharging strategies;
- Optimization algorithms;
- Mathematical models and simulation tools;
- Energy management methods.

Guest Editors

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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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