Special Issue

Control Strategies of Energy Storage Systems in Microgrids

Message from the Guest Editors

This Special Issue aims to present the latest research in the control strategies of ESSs for microgrids and modern electrical networks. Topics of interest for this Special Issue include, but are not limited to, the following:

- Control strategies of ESSs: primary, secondary, and tertiary control;
- Control of grid forming/grid following converters for all types of energy storage systems;
- Energy management system of islanded microgrids, interconnected microgrids, and grid-connected microgrids;
- Machine learning and AI-based energy management systems for ESSs;
- AI-based power distribution management systems;
- Intelligent energy distribution systems;
- Centralized, decentralized, and coordinated energy management systems;
- Coordinated control of smaller energy storage systems;
- Grid ancillary services of ESSs;
- Low voltage ride through of ESSs;
- Modeling and stability analysis;
- Black start from ESSs.

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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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