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Modelling and Analysis of Distributed Energy Storage

Guest Editor:

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Deadline for manuscript
submissions:

closed (10 June 2021)

Message from the Guest Editor

Dear Colleagues,

This Special Issue aims to publish novel research on the range of relevant topics includes:

- Distributed energy storage technologies which can interact with the electrical system;
- Techniques for optimizing storage designs, locations, and operations;
- Smart control algorithms for distributed energy storage operation;
- Multi-applications of distributed energy storage in power system planning and operation, including power quality and reliability, provision of reactive and voltage control, reserves, and other ancillary services;
- Whole-system energy system modeling and quantification of the system benefits and value of distributed energy storage;
- Integration of Transmission and Distribution System Operation with distributed storage and energy resources;
- Integration of distributed energy storage in a microgrid system;
- Electricity market frameworks (both energy and ancillary services) and business models for distributed energy storage applications in systems with high penetration of renewable generation;
- Demonstration and trial experiences of distributed energy storage.



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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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