



Modelling and Analysis of Distributed Energy Storage

Guest Editor:

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submissions:

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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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Message from the Editor-in-Chief

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