



Storage Utilization for Electricity Grid Applications

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Message from the Guest Editor

Recent developments in storage technology combined with the increasing penetration of renewable energy in power systems worldwide can uniquely position electricity storage (ES) to provide a wide range of services in generation, transmission, distribution, as well as end-user activities offering whole system economic savings across multiple timeframes and voltage levels. Submissions are encouraged in the following specific areas or related themes for this Special Issue:

Deadline for manuscript
submissions:

30 November 2021

- Engineering, control, optimization, numerical, and modeling aspects of energy storage systems;
- Power to gas energy storage for smart energy systems;
- Renewable-based off-grid and grid-connected systems and their control with energy storage;
- Power quality improvement in electricity networks facilitating the integration of energy storage systems;
- Energy storage integrated with buildings and multipurpose hybrid storage systems;
- Energy storage systems for grid support, including use with ancillary services;
- Smart charging stations and electrical vehicle integration;
- Technoeconomic aspects of energy storage for smart energy systems;
- Energy storage for microgrids;
- Storage sharing in local energy communities.





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Message from the Editor-in-Chief

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