Special Issue

Smart Grid and Energy Storage

Message from the Guest Editor

The guest editor is inviting submissions to a Special Issue of *Energies* on the subject area of "Smart Grid and Energy Storage". Recent advances in the smart grid include the integration of renewable energy resources, improvement of energy efficiency, and decentralization of electric energy generation and distribution through small- to medium-scale electric infrastructures such as microgrids and nanogrids. Considering the intermittence of renewable energy resources, the demand variability, and to ensure energy resilience, energy storage can play a key role in achieving the objectives despite the different concerns. The architecture of the smart grid, integrated with energy storage, can be characterized by multiple complex energy systems of different natures that require optimization, management, and control for efficient operation to meet multiple benefits and objectives based on economic, social and health factors. The aim of this Special Issue is to explore innovative solutions and cover original research related to smart grids and energy storage.

Guest Editor

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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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