



Power System Control, Optimization, Smart Grids and Renewable Energy Integration for Energy Sustainability

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Message from the Guest Editors

Dear Colleagues,

Energy sustainability is an important branch in the field of sustainable development research. Currently, with the escalating issues of energy crisis and environmental pollution, energy sustainability has become an urgent global challenge. Through optimized scheduling of transmission, transformation, and distribution, comprehensive energy demand response, energy storage and regulation, interactions between electric vehicles and the grid, and energy electricity markets, the green, sustainable, safe, and efficient utilization of energy resources can be achieved.

The aim of this Special Issue is to collect high-quality research papers on power system control, optimization, smart grids, and the integration of renewable energy. Research areas include but not limited to the following:

- Power system control and optimization;
- Smart grids and renewable energy integration;
- Energy storage and saving technologies;
- Wind power and solar-related technologies;
- Power system wide area perception and advanced metering infrastructure;
- High voltage and insulation technology;
- Electric vehicles and smart grids;
- Artificial intelligence and energy internet.





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Message from the Editor-in-Chief

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