

Special Issue

New Insights into Power Systems, 2nd Edition

Message from the Guest Editors

As the proportion of new energy sources continuously increases, power systems face the challenge of insufficient flexibility in adjustment capabilities, making power balance and supply assurance increasingly difficult. There is an urgent need to explore comprehensive and interactive methods across all elements of generation, grid, load, and storage to thoroughly support the efficient and low-carbon transformation of power systems, including aspects such as operation, planning, market mechanism design, and policy analysis. For this purpose, this Special Issue is titled "New Insights into Power Systems, 2nd Edition" and aims to collect high-quality papers from the field of power system research. We encourage researchers from various fields within the journal's scope to contribute papers highlighting the latest developments in their research field, or to invite relevant experts and colleagues to do so.

- generation-grid-load-storage interaction;
- power system operation and planning;
- renewable energy integration;
- demand response management;
- low-carbon transition;
- low-carbon energy policy analysis;
- market mechanism design;
- energy storage solutions.

Guest Editors

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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