

## Special Issue

# New Insights into Power Systems

### Message from the Guest Editor

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. Topics of interest for this Special Issue include, but are not limited to, the following:

- 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.

For more information on the Special Issue, please visit [LINK](#)

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### Deadline for manuscript submissions

closed (20 August 2025)



## Applied Sciences

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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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### Editor-in-Chief

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