

## Special Issue

# Advances in Power Distribution Systems: 2nd Edition

### Message from the Guest Editors

In order to promote energy composition, wind power and photovoltaic power supplies will continue to be connected to the distribution network. This will give the modern distribution network more modern characteristics. In order to present the latest research progress and development trends, as well as share the latest academic achievements in relation to the theory, methods, technology, and applications of these areas, this Special Issue, 'Advances in Power Distribution Systems: 2nd Edition', will be published in the *Energies* journal.

- Active power distribution network modeling and simulation;
- New topology of power distribution networks;
- Fault protection and self-healing methods;
- Broad-frequency oscillation suppression;
- Flexible interconnection technology;
- Stability control strategies;
- Optimizations of scheduling technology;
- Distributed power generation and microgrid technology;
- Applications of AI in new power distribution systems;
- Power quality analysis and control;
- New building energy systems;
- Source charge interaction technology;
- Communication technology of distribution networks.

### Guest Editors

Prof. Dr. Dazhong Ma

Dr. Wei Liu

Prof. Dr. Wei Sun

Prof. Dr. Zhenghang Hao

### Deadline for manuscript submissions

25 June 2026



## Energies

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## About the Journal

### 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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### Editor-in-Chief

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