

Special Issue

Advanced Electric Energy Conversion and Operation Control Technology of Power Distribution System with High Proportion of Renewables and Power Electronics

Message from the Guest Editors

Scholars and researchers engaged in related research are invited to contribute to the discussion of new theories, new methods and new technologies in this field, and to promote technological development in this field. In this Special Issue, original research articles and reviews are welcome. Research areas may include (but are not limited to) the following:

- Analysis, perception and prediction of power characteristics for renewables and flexible loads;
- High-performance and low-cost implementation technology of DC/DC, DC/AC, and AC/DC converters for renewables and flexible loads;
- Grid-friendly connection and active support technology of distributed flexible resources in power distribution systems with high shares of renewables and power electronics;
- Operation control optimization technology of power distribution system with a high proportion of renewables and flexible loads;
- New control and protection technology under typical faults of power distribution systems with a high proportion of renewables and flexible loads.

We look forward to receiving your contributions.

Guest Editors

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Deadline for manuscript submissions

closed (31 December 2023)



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Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in Sustainability, an international open access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full articles) and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

Editor-in-Chief

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