

Special Issue

Challenges and Progresses of Electric Power Systems

Message from the Guest Editors

The evolution of electric power systems plays a crucial role in supporting the demands of modern society, especially in the context of increasing electrification, renewable energy integration, and the pursuit of sustainability. Challenges such as grid stability, energy storage, system reliability, and efficient power generation have pushed the boundaries of research and innovation in this field. This Special Issue aims to present and disseminate the latest developments in the theory, design, operation, and optimization of electric power systems. Topics of interest for publication include, but are not limited to, the following:

- Integration of renewable energy sources into power grids.
- Energy storage systems and their role in grid stability.
- Smart grid technologies and digitalization of power systems.
- Advanced methods for power generation and distribution.
- Enhancing reliability and resilience in power systems.
- Power system optimization and control strategies.
- Novel applications of power electronics in energy systems.
- Environmental and economic impacts of power system innovations.

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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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