

Special Issue

Advances in Power and Electrical Engineering

Message from the Guest Editors

This Special Issue focuses on the rapidly evolving landscape of power and electrical engineering, showcasing cutting-edge research and innovative solutions addressing critical challenges in energy generation, distribution, and utilization. The collection highlights advancements poised to reshape the future of a sustainable and reliable power infrastructure. Topics of interests include, but are not limited to, the following:

- Stability Analysis of Grids Dominated by Power Electronics.
- Modeling, Optimization, and Control of Smart Grids.
- Active Distribution Networks and Microgrids.
- Integration of AI in Smart Grid Systems.
- Renewable Energy Generation and Integration.
- Virtual Power Plants (VPPs) and Aggregated DER Management.
- Energy Storage Systems and Applications.
- Electric Vehicles (EVs) and Charging Infrastructure.
- Energy conversion for information technology and communication systems.
- Emerging Power Electronics Technologies.
- Electricity Markets and Carbon Markets.
- Blockchain Technology for Energy Trading and Management.
- Advanced Protection Devices and Relaying Techniques.
- Power System Resilience under Natural Disasters.
- Urban Power System Reliability and Resilience.

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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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