

Special Issue

Advances and Challenges in Electrical Power and Energy Systems

Message from the Guest Editors

This Special Issue aims to cover technical and economic issues arising from the transition of energy systems. It highlights the latest research achievements and developments in modeling, algorithms, and mechanisms for power and energy systems' secure stability, planning, operations, evaluation, market, etc. Research areas may include (but are not limited to) the following:

- Stability analysis and control of power and energy systems with high penetration of renewable energy;
- Evolution path analysis for the low-carbon energy transition;
- Analysis of emerging decarbonization techniques for facilitating low-carbon energy transition;
- Multi-energy synergy facilitating low-carbon energy transition;
- Reliability evaluation for power and energy systems;
- Optimal operation and planning for power and energy systems;
- Market analysis and design for power and energy systems;
- Data analytics and machine learning for power and energy systems.

Guest Editors

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Deadline for manuscript submissions

closed (15 April 2025)



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About the Journal

Message from the Editor-in-Chief

Electronics is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guest-edited by leading experts in selected topics of interest.

Editor-in-Chief

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