Special Issue

Advanced Electric Power Systems, 2nd Edition

Message from the Guest Editor

Reliable power delivery from generation systems to end-users is crucial for power markets. Power systems are large-scale, dynamic, and nonlinear, often facing security, stability, and reliability issues. The development of advanced technologies and innovative methods is essential to address these challenges. This Special Issue invites original research on the generation, transmission, distribution, and utilization of electrical energy, with a focus on:

- Power system stability and reliability
- FACTS applications in power systems
- Power system optimization and intelligent methods
- Power market and demand response programs
- Generation system control and distribution system operation
- Distributed generation, energy storage, and electric vehicles
- Smart communities and energy management systems
- Renewable energy forecasting and microgrids
- Active distribution networks, power quality, and resiliency

We welcome papers presenting new algorithms, components, or applications that contribute to the advancement of electric power systems. **Journal Rank:** CiteScore - Q1 (Control and Optimization)

Guest Editor

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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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