

Special Issue

Control, Optimization, and Cybersecurity of Electric Power Systems

Message from the Guest Editors

To accommodate the intermittent nature of generated power provided by renewable energy resources, energy storage devices such as battery farms are being deployed. Demand response programs are also being actively researched and progressively implemented.

This Special Issue also seeks innovative solutions to improve cybersecurity and resilience in power systems.

Topics of interest for publication include but are not limited to the following:

- Review of the current state of the art in advanced power system control and optimization methods;
- Review of methods for improving cybersecurity and resilience in power systems;
- Wide-area control for renewable-integrated power networks;
- Advanced control and optimization strategies for power systems;
- Integration of conventional generators with inverter-based renewables;
- Dynamic state estimation in transmission and distribution systems;
- Fault-tolerant control for power systems;
- Dynamic security assessment of power systems;
- Cyber-attack prevention and mitigation for power systems.

Guest Editors

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Deadline for manuscript submissions

closed (20 October 2022)



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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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