Special Issue

Intelligent Analysis and Control of Modern Power Systems

Message from the Guest Editors

This Special Issue aims to solicit innovative research efforts that address recent advances and new trends in the data-driven intelligent analysis and control of modern power systems. Topics of interest include, but are not limited to:

- Data management and analytics in modern power grids;
- Data-driven renewable energy/load forecasting;
- Data-driven power system dynamic stability/security assessment;
- Data-driven power system wide-area control and protection;
- Power system fault detection and localization based on data analytics;
- Data-driven situational awareness and the visualization of power systems;
- Machine learning and reinforcement learning for power system online decision making;
- Data-enabled intelligent applications in transmission/distribution networks and microgrids;
- Implementation and pilot projects of data analytics in practical power grids.

Dr. Lipeng Zhu

Guest Editors

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Deadline for manuscript submissions

closed (9 October 2024)

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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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