

Special Issue

Advances in Sustainable Development of Power Systems with Artificial Intelligence

Message from the Guest Editors

This Special Issue aims to bridge this gap with new advances in the applications of artificial intelligence in power systems planning and operations. The topics include, but not limited to, the following:

- Knowledge-data complementary framework for power system planning and operations;
- Model-data combined driven technology in power system planning and operations;
- Physics-informed neural networks in power system planning and operations;
- Human-in-the-loop artificial intelligence framework for power system planning and operations;
- Deep learning-based renewable energy generation estimations and available power analysis;
- Deep reinforcement learning-based power system operations;
- Meta learning and federated learning in power system planning and operations;
- Artificial intelligence-based power system market and multi-agent games;
- Artificial intelligence-based power system stability analysis and control;
- Explainable machine learning in power systems planning and operations;
- Other advances in the sustainable development of power systems with artificial intelligence.

Guest Editors

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Deadline for manuscript submissions

closed (31 December 2023)



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Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in *Sustainability*, an international Open Access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. *Sustainability* publishes original research articles, review articles and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

Editor-in-Chief

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