

Special Issue

Sustainable Electric Power Systems: Design, Analysis and Control

Message from the Guest Editors

For efficient and reliable power systems, there is a growing emphasis on advanced energy storage techniques. This Special Issue focuses on the innovative solutions and state-of-the-art studies for the design, analysis and control of sustainable power systems in the frame of the energy transition.

In this Special Issue, original research articles and reviews are welcome. Research areas may include (but are not limited to) the following:

Low-carbon electric power system structure design; Modeling of energy-saving equipment in sustainable electric power systems; Capacity planning of sustainable energy and energy storage systems; Big Data techniques for renewable energy forecasting and shiftable loads analysis; Data-driven energy management methods for the distribution of energy resources and energy storage systems; Stability analysis of electric power systems with high-penetrated renewable energy; Optimal control for integrated energy systems; Business models and marketing tools for low-carbon/economic efficiency; Modeling of equivalent circuits of energy storage systems.

Guest Editors

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Deadline for manuscript submissions

closed (30 November 2023)



Sustainability

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Impact Factor 3.3
CiteScore 7.7



mdpi.com/si/109969

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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. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full 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

Prof. Dr. Steve W. Lyon

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