



## **Sustainable Electric Power Systems: Design, Analysis and Control**

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### **Message from the Guest Editors**

Dear Colleagues,

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.





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## Message from the Editor-in-Chief

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