



Electric Power Systems towards Sustainability

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Message from the Guest Editors

Dear Colleagues,

Sustainable and renewable energy sources in power systems are growing rapidly to address the increasing concerns of emissions reduction and improved energy efficiency. Many of these renewable energy sources are connected to the power system through power electronics inverters rather than spinning generators, and this poses major challenges for system control, stability, and protection but also brings unprecedented opportunities for more active and flexible distribution systems in the future with both AC and DC networks.

We encourage all researchers from relevant domains to submit papers to this Special Issue. Topics of interest include but are not limited to:

Integrating renewable energy sources into power systems for sustainable environment; Implementation of efficient and smart energy management strategies; Real-time monitoring and control; Real-time communication in sustainable electric power systems; Development of new voltage/current control strategies; Power quality control/unbalanced; Hybrid energy power systems; Transient stability; AC/DC microgrid operation in grid-tied and islanded modes; Energy storage systems; Grid-forming/following inverters.





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Editor-in-Chief

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Message from the Editor-in-Chief

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