Special Issue

Power System Dynamics and Renewable Energy Integration

Message from the Guest Editor

Currently, it is widely accepted that a major barrier toward the massive integration of renewable energy sources is the complex dynamic behavior of large-scale power systems. In many cases, the need to preserve system reliability and stability is a bottleneck, which practically prevents the use of such sources, despite their positive environmental impact and low cost. In addition, power systems with a high penetration level of renewable energy sources will have different topologies, control methods, and management strategies. This Special Issue will focus on power system dynamics in the light of the large-scale integration of renewable energy sources. We invite papers on innovative technical developments, reviews, case studies, and theoretical papers from different disciplines, which are relevant to dynamics of power systems and the integration of renewable energy sources.

Guest Editor

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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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