Special Issue

Power System Dynamics with Renewable Energy

Message from the Guest Editors

In this issue, we are aiming to contribute to a better understanding of the systemic impacts of renewable energy integration on power system dynamic stability. The topics considered by this Special Issue include but are not limited to the following:

- Simulation-based/offline power system dynamic stability assessments for increasing integration of renewable energy;
- Power system inertia and frequency control frameworks to increase the dynamic stability margins of power systems under the integration of renewable energy;
- Estimation and data analytics/machine learning-based/offline tools to increase the situation awareness of power system dynamic stability margins under the integration of renewable energy;
- Synthetic/virtual inertia, energy storage approaches to increase the contribution of power electronic converters to power system dynamic stability.

Prof. Vijay K. Sood
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Guest Editors

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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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