



Power System Dynamics with Renewable Energy

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Message from the Guest Editors

Dear Colleagues,

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.

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Message from the Editor-in-Chief

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