Special Issue

Advances in Stability Analysis and Control of Power Systems

Message from the Guest Editors

This Special Issue is devoted to collecting original contributions with state-of-the-art findings that cover advances in power system stability analysis and control from universities and industry. The potential topics of papers are summarized as the following:

- Stability analysis of modern power systems under stochastic operations;
- Nonlinear analysis and control techniques of power systems;
- Interaction mechanism between different devices;
- Wide-band oscillation mechanism and damping controller;
- Distributed cooperative control of multiple converters;
- Inertia support and frequency regulation of power systems;
- Frequency and voltage stability control of microgrids;
- Data-driven analysis and control methods of power systems;
- Stability control of HVDC and FACTS;
- Grid-friendly control of renewable energies;
- Emergent power support from energy storage

Guest Editors

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Deadline for manuscript submissions

closed (31 December 2024)

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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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