

Special Issue

Stability Problems and Countermeasures in New Power Systems

Message from the Guest Editors

Over the past two decades, electronic, information, communication, and measurement and control technology have rapidly developed and converged. Simultaneously, the increasing demand for electrical energy in human society's production and daily life has brought profound changes in electricity production, transmission, distribution, and consumption. The same applies to protection and control. These changes have led to a transition from traditional to new power systems. The particular topics of interest for this Special Issue include, but are not limited to, the following:

- Analysis and Mitigation of Wide-Band Oscillations in Power Systems;
- Frequency and Voltage Stability Problems Caused by Renewable Energy Generation;
- Integration of Renewable Energy Sources;
- Application of Energy Storage Technologies;
- Virtual Power Plants and Active Distribution Networks;
- Power Markets;
- Novel Measurement and Control Technologies in Power Systems;
- Applications of the Internet of Things and Artificial Intelligence Technologies in Power Systems.

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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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