

Special Issue

Stability Analysis and Control of Smart Grids

Message from the Guest Editors

The scope of "Stability Analysis and Control of Smart Grids" encompasses various aspects of microgrids. It covers advancements in technology and methods that enable the development of more efficient, reliable, and cost-effective microgrids. Topics include but are not limited to the following:

- Renewable energies applied in microgrids;
- Power converters in microgrids, such as DC–DC converters, AC–DC converters, and DC–AC converters;
- Development of advanced control techniques, including nonlinear theory, artificial intelligence, and model predictive control;
- Development of structures and topologies for microgrids;
- Potential stability issues and destabilization for microgrids;
- Cyber security risk of microgrids;
- Communication methods for microgrids;
- Development of more efficient, reliable, and cost-effective electrical systems.

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About the Journal

Message from the Editor-in-Chief

Electronics is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guest-edited by leading experts in selected topics of interest.

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