

Special Issue

Advances in Enhancing Energy and Power System Stability and Control

Message from the Guest Editors

The purpose of this Special Issue aims to highlight the novel and most recent advances in theory, modeling and applications of energy and power system security assessment and control to better promote the construction and development of low-carbon clean energy and power systems. The Special Issue welcomes original articles that may focus on (but not limited to):

- Modeling analysis of energy and power system security assessment and control
- Transient/Frequency stability analysis of energy and power systems
- Voltage/Small-signal stability analysis of energy and power systems
- Subsynchronous torsional oscillation analysis of energy and power systems
- Resilience assessment of energy and power systems
- Data-driven technology-based energy and power system security assessment and control
- AI-based energy and power system stability analysis
- Control and protection strategies for power electronic-based energy and power systems
- Risk assessment and management of energy and power systems against extreme events
- Stability-constrained optimal planning and operation of energy and power systems

Guest Editors

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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.

Editor-in-Chief

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