Special Issue

Advanced Energy Systems with Superconductivity

Message from the Guest Editors

The main aim of this Special Issue is to provide novel techniques, theories, and concepts for power systems including superconductivity. Topics of interests include but are not limited to the following:

- Smart grid with superconducting devices
- Superconducting generator/motor
- Superconducting cables and power transmission
- HVDC systems with superconducting fault current limiter
- Superconducting energy saving and smart grids
- Applied superconductivity and DC microgrids
- Superconducting transportation electrifications
- Superconducting magnetic energy storage and smart grid
- Superconducting fusion technology
- Resistive and superconducting joints
- Power system with superconducting devices
- Practicability, stability, and reliability of superconducting power system.
- Other energy-saving devices using superconductors
- AC Losses of superconductors in electrical devices
- Quench characterization, detection, and protection technique of superconducting devices.

Welcome to contribute.

Guest Editors

Dr. Yawei Wang

Prof. Dr. Philippe Vanderbemden

Dr. Peifeng Gao

Deadline for manuscript submissions

closed (31 July 2022)

Electronics

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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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Author Benefits

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.8 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the first half of 2024).

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