Special Issue

Applied Superconductivity in Power Systems

Message from the Guest Editors

The aim of this Special Issue is to present novel theoretical approaches and techniques for applied superconducting in power systems, including the theory, experimental studies, methods of analysis and testing, design, manufacturing, and operation of superconducting devices or their components, as well as superconducting materials. Topics of interest for this Special Issue include, but are not limited to, the following:

- Superconducting power devices—Motors, generators, power transmission lines and cables, transformers, superconducting magnetic energy storage, fault current limiters, superconducting maglev flywheel energy storage, etc;
- Modeling of the superconducting characteristic, loss, stability and quench protection;
- Numerical analysis for superconducting power devices;
- Multi-physical computation for superconducting power devices;
- Optimization design for superconducting power devices;
- Application mode of superconducting power devices in power systems;
- Interaction between superconducting power devices and power systems;
- Power system analysis, protection and control.

Guest Editors

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Deadline for manuscript submissions

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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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