



Applied Superconductivity in Power Systems

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Deadline for manuscript
submissions:

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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.





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Message from the Editor-in-Chief

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