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Emerging Trends in Superconductivity for Electric Power Technologies

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Message from the Guest Editors

Dear Colleagues,

Superconducting power technology is becoming one of the most promising technologies in the field of power technology. Global researchers have utilized the zero-resistance and high-current-density characteristics of superconducting materials to achieve efficient, low-loss, and environmentally friendly power transmission, distribution, and storage, such as superconducting cable, superconducting wind power generation, superconducting transformer, superconducting energy storage, magnetic confinement fusion, etc. Topics of interest for publication include, but are not limited to, the following:

All aspects of superconducting wind turbine generators, superconducting DC dynamos, superconducting motor/generator technologies for more electric aircraft, electric vehicles, and electric ships.

Superconducting cable and energy pipeline.

Superconducting energy storage.

Superconducting smart grid.

Superconducting current limiter.

Superconducting transformer.

Superconducting magnet.

Superconducting electric equipment.

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Guest Editor



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Special Issue



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Message from the Editor-in-Chief

Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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