

Special Issue

Wireless Charging Technology and Energy Management for Electronic and Electric Devices

Message from the Guest Editor

The aim of this Special Issue is to report the latest theoretical, practical, and industrial progress on wireless charging for electric and electronic devices. The topics of interest include but are not limited to:

- High-power wireless charging technologies for electric vehicles, electric bikes, etc.;
- Mid-power wireless charging technologies for robots, drones, mobile phones, etc.;
- Low-power wireless charging or energy harvesting technologies for medical devices, IoT sensors, etc.;
- Design of magnetic coils and capacitive plates for wireless power transfer;
- Design of resonators for resonance-based wireless power transfer;
- Design of AC/DC (RF/DC) converters and DC/AC (DC/RF) inverters;
- Design of power management systems for wireless charging;
- Health and safety of wireless charging, such as foreign object detection and electromagnetic compatibility issues;
- Simultaneous wireless information and power transfer (SWIPT).

Guest Editor

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Deadline for manuscript submissions

closed (20 November 2024)



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About the Journal

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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