Special Issue

Next Generation Wireless Charging System for Mobile Devices

Message from the Guest Editor

The aim of this Special Issue is to publish technical papers reflecting the most recent research and application results in the area of the next-generation WPT for mobile devices and wearable devices. It is expected that valuable research results and cutting-edge technologies for the next generation wireless power transfer for mobile devices, IoT sensors, and wearable devices will be submitted. Topics of interest for publication include but are not limited to:

- Coils, coil array, modeling, simulation, and design;
- Free-positioning wireless charging/device-to-devices wireless charging/multiple device charging;
- Topologies, components, integrated circuits, and packaging;
- Power management and power electronics;
- EMI/EMC/EMF issues for charging mobile devices;
- Beam forming techniques and magnetic field shaping;
- Applications of wireless power transfer (mobile devices, wearable devices, IoT sensors etc.);
- Other topics related to devices and systems for wireless charging of mobile devices

Guest Editor

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Deadline for manuscript submissions

closed (20 February 2022)

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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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