



Design and Applications of Wireless Power Charging Systems

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Message from the Guest Editors

Dear Colleagues,

Wireless charging can provide both a high reliability and convenience regarding the charging process because it does not cause sparking or short circuits, and the precise positioning of a receiving device is not necessary. Wireless charging can offer one more additional feature—dynamic power transfer that can charge the batteries of objects (e.g., electric vehicles) while moving.

This Special Issue focuses on original research papers regarding the design and application of high-efficiency, inductive and capacitive charging systems. Review articles on the design and applications of wireless charging systems are also welcome. Potential research topics include, but are not limited to:

- The modeling and design of high-efficiency and high-power-density inductive and capacitive wireless charging systems;
- Applications of wireless charging systems;
- The dynamic wireless charging of electrical vehicle batteries;
- Design issues with wireless chargers operating in the MHz range.

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Special Issue



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Message from the Editor-in-Chief

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