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Advances in Dynamic Wireless Power Transfer for Moving Objects

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Message from the Guest Editors

With the rapid development of mobile robotics, electrical vehicles, and unmanned aerial vehicles, dynamic wireless power transfer (WPT) has become a very popular topic in science and technology. Dynamic WPT is a reliable and convenient way to transfer electric power to moving objects (moving consumers of electrical energy), such as flying drones, moving electrical vehicles, moving mobile robots, moving sensors, etc.

This Special Issue is focused mainly on inductive or capacitive dynamic WPT for moving objects. Articles on novel control techniques and power electronic topologies for dynamic WPT are welcome. Review articles on dynamic WPT as well as research articles on ultrasonic-based, laser-based, or microwave-based dynamic WPT systems are also welcome.

Keywords

- dynamic wireless power transfer
- wireless charging
- inductive power transfer
- electrical vehicles

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Message from the Editor-in-Chief

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