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Wireless Power for Electric Vehicles

Guest Editor:

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Deadline for manuscript submissions:
closed (31 October 2019)

Message from the Guest Editor

Dear Colleagues,

Wireless power transfer (WPT) technology is one of the most emerging and promising technologies with most highly expected market impacts in automotive industries. The WPT technologies for electric vehicle can provide ultimate convenience, safety, and economic benefit with recent new technologies such as autonomous driving, sensor technologies, and communication technology. This Special Issue will focus on emerging wireless power transfer technology for electric vehicle. Topics of interest for publication include, but are not limited to:

- Inductive and capacitive wireless power transfer
- Microwave power transmission for electric vehicle
- Wireless power for autonomous driving and intelligent transportation system
- High-efficiency rectifying circuit and amplifier
- Electric motor using wireless power
- Power devices and high power design for wireless power transfer
- Static and dynamic wireless charging for electric vehicles, bikes, and trains
- EMI/EMF issues on wireless power transfer
- Wireless power using renewable energies
- Control and communication for wireless power transfer

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Message from the Editor-in-Chief

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