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Wireless Power Transfer and Its Applications

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Deadline for manuscript submissions:
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Message from the Guest Editors

Wireless power transfer has been successfully applied to medical implants, mobile phones, electric vehicles, railway applications, etc. In the next decade, new technologies in stationary/dynamic and bi-directional wireless power transfer (WPT) will revolutionize the energy charging and power supply industry. This Special Issue will include articles that address state-of-the-art technologies and new developments for wireless power transfer, including, but not limited to, compensation circuits, coupler design, soft-switching techniques, control strategies, foreign objective detections, etc. In addition, articles which discuss the applications of WPT, from a few milliwatts to several hundred kilowatts, would be of particular interest.

Topics are including, but not limited to, the following topics:

- Wireless charging for electric vehicles, railway applications, and automatic guided vehicles;
- Wireless chargers for portable electronic devices;
- Wireless power transfer for unmanned aerial vehicles;
- Wireless power transfer for biomedical implant devices;
- Wireless power supply for the Internet of things (IoTs) and sensors;
- Dynamic wireless power transfer;

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Message from the Editor-in-Chief

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