



## Current Research and Future Development on Wireless Power Transfer Technology

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Deadline for manuscript  
submissions:

**closed (1 June 2023)**

### Message from the Guest Editors

Dear colleagues,

It is with great pleasure that we present this Special Issue on the current and future development of WPT technologies. We invite original manuscripts presenting recent advances in this area, with special reference to the following topics:

- New and existing improvements for inductive and capacitive power transfer (IPT/CPT) techniques and methodologies
- Communication systems for WPT
- Inverter/converter designs and controls for wireless power applications
- Highly resonant coupling topologies
- Applications in special marine/air/space environments and other complex scenarios, i.e., WPT systems for coal mines and oil extraction
- Dynamic WPT
- EMC, EMI, safety, and foreign object detection
- Transmitter/receiver designs for WPT
- New applications of wireless power
- Modeling and simulation of wireless power systems
- Compensation techniques
- Bi-directional WPT with V2G technology
- Radio-frequency and microwave WPT systems
- Ultrasonic and other WPT systems





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## Message from the Editor-in-Chief

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