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Advances in Wireless Power Transfer System

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Deadline for manuscript submissions:
closed (30 August 2024)

Message from the Guest Editors

Topics of interest include, but are not limited to:

(1) Latest advances in the wireless power transfer system

New WPT schemes, new wireless energy harvesting technology, dynamic WPT, bi-directional WPT, new power electronic devices, magnetic materials, etc.

(2) Transfer principles and cases of wireless power transfer systems

New coupling mechanism design, electromagnetic field modeling, operating environment, external disturbance analysis, foreign object detection, biological safety, electromagnetic compatibility and shielding, etc.

(3) Methods and designs of wireless power transfer technology and systems

Near-field, far-field, ultrasonic, laser and other WPT systems, related power electronics, radio frequency and microwave, measurement, communication, optimization design, modeling and other technologies.

(4)Wide applications

Applications of WPT in various electronic devices, medical implant devices, electric vehicles, AGV, rail transit, and other complex application scenarios.

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Message from the Editor-in-Chief

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