Special Issue

Performance Evaluation of Wireless Power Transfer System for Electric Vehicles

Message from the Guest Editors

This Special Issue, “Performance Evaluation of Wireless Power Transfer System for Electric Vehicles”, invites contributions that address theoretical analyses, experimental methods, and practical case studies for assessing WPT system performance. The Issue will facilitate knowledge exchange between researchers, industry practitioners, and standardization bodies. Topics of interest include, but are not limited to, the following:

- Efficiency analysis and improvement of wireless power transfer systems;
- Standardized test rigs, measurement protocols, and performance metrics;
- Effects of coupler design, shielding, and materials on coupling robustness;
- Thermal management, mechanical integration, and electromagnetic compatibility;
- Dynamic control strategies in wireless power transfer;
- Lifecycle assessment and sustainability considerations;
- Simultaneous power–data transfer systems for electric vehicles.

We look forward to your innovative contributions that will advance the performance benchmarks for EV WPT systems.

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Message from the Editor-in-Chief

Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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