Special Issue

New Insights into Wireless Power Transmission Systems

Message from the Guest Editors

This Special Issue focuses on the latest advancements and research breakthroughs in Wireless Power Transmission (WPT) systems. As WPT technology continues to evolve, it holds significant potential for transforming various industries, enabling the efficient and contactless transfer of energy over distances. This Special Issue explores key innovations, including enhanced power transfer efficiency, novel materials, system integration, and emerging applications. Key topics covered include, but are not limited to:

- Innovative WPT techniques: New methodologies to improve efficiency and range.
- Power management and safety: Advances in optimizing power flow and ensuring the safety of users and devices.
- Energy harvesting: Integration of WPT systems with energy harvesting technologies for sustainable and autonomous power solutions.
- System integration and miniaturization: Improvements in compact and scalable designs for consumer and industrial use.
- Applications and future trends: Emerging uses and future directions for WPT research.
- Electromagnetic Environment Analysis: Focusing on optimizing the compatibility of WPT systems within various electromagnetic environments.

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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