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Wireless Power Transfer and RF Technologies

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Message from the Guest Editor

Wireless power transfer (WPT) technologies have been developed to wirelessly supply power to various devices such as mobile devices, electric vehicle, home appliance, and bikes. Despite several decades of progress in WPT technologies, the inductive WPT system still provides a short transmission distance as large as the size of transmitting/receiving coils. This is why various links and structures, from multiple links of the multiple-input multiple-output (MIMO) structure to RF links, have been attempted to expand the transmission distance. In particular, RF technologies have been highly anticipated as potentially able to realize breakthrough transmission distance.

The topics of this Special Issue include, but are not limited to, recent advances and emerging technologies for WPT, various applications of WPT systems, RF energy harvesting, and coil/antenna structures for WPT.



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Special Issue



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Message from the Editor-in-Chief

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