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Electromagnetic Compatibility Issues in Wireless Power Transfer Systems

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Message from the Guest Editors

With an ever-growing passion for reliability and convenience of electric power transfer, wireless power transfer (WPT) has become very popular topic for research last decade. Nowadays, range of applications of WPT is very wide ranging from low-power devices to high-power ones. This Special Issue is focused on improving of EMC and electromagnetic safety of modern nearfield WPT systems (inductive-resonant, strongly coupled magnetic resonant and capacitive WPT systems). Papers on modeling of electromagnetic emissions of WPT systems and coils as well as on novel or improved electromagnetic emission reduction techniques applied to near-field WPT systems are welcome. When proposing novel EMI reduction techniques or improving existing approaches, trade-off between EMI levels and other important performance characteristics (e.g. efficiency, power density, etc.) of WPT systems should be considered.

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Message from the Editor-in-Chief

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