

Special Issue

Wireless Power Transfer and RF Technologies

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.

Guest Editor

Dr. Dong-Wook Seo

Interdisciplinary Major of Maritime AI Convergence, Korea Maritime and Ocean University, Busan 49112, Republic of Korea

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Energies
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
energies@mdpi.com

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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.

Editor-in-Chief

Prof. Dr. Enrico Sciubba

Department of Mechanical and Industrial Engineering, University
Niccolò Cusano, 00166 Roma, Italy

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