

Special Issue

Advanced Technologies and Applications in Wireless Power Transfer Systems

Message from the Guest Editors

Wireless power transfer (WPT) has rapidly advanced over the past decade and continues to do so. Under the attention of more and more researchers, this technology has shown broad application prospects in different fields from milliwatts to megawatts and from near-field to far-field, such as sensors, medical implants, consumer electronics, household appliances, electric vehicles, aerospace, ocean exploration, railway applications, etc. This Special Issue focuses on the recent theoretical and applied research achievements of WPT, including, but not limited to, system sub-modules such as power converters, compensation networks, coupling interfaces, controllers, etc., as well as auxiliary functions such as power/signal parallel transmission, foreign-object detection, position monitoring, etc. keywords:

- wireless power transfer
- inductive power transfer
- contactless power transfer
- wireless charging
- capacitive power transfer
- energy harvesting
- power electronics
- magnetic field coupling
- electric field coupling

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Deadline for manuscript submissions

closed (28 February 2023)



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About the Journal

Message from the Editor-in-Chief

Electronics is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guest-edited by leading experts in selected topics of interest.

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