



Wireless Power Transfer: Material, Technologies, and Applications

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Message from the Collection Editors

Dear Colleagues,

We would like to invite you to submit original research and review articles to a Special Issue of the journal *Electronics* on the topic of “Wireless Power Transfer: Material, Technologies, and Applications”.

In recent years, Wireless Power Transfer (WPT) technologies have found many successful applications in Medical Electronics, Consumer Electronics, Internet of Things, and Electric Vehicles, etc. It is expected that WPT technologies will be widely applied in more commercial products. However, there are many practical challenges ahead to meet the safety and EMC requirements, particularly for long-distance power transfer at high operating frequencies.

- Inductive Power Transfer (IPT) systems;
- Capacitive Power Transfer (CPT) systems;
- Radiative WPT systems;
- Energy harvesting;
- Ultrasonic power transfer, laser power transfer, infrared power transfer, etc.;
- Electromagnetic compatibility (EMC);
- Foreign object detection (FOD) and living object detection (LOD) technologies;
- Electromagnetic materials;
- Sensing and control of WPT systems;
- Practical design and productization of WPT systems.





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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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