

## Special Issue

# New Insights of Wireless Power Transfer

### Message from the Guest Editors

Wireless power transfer (WPT) technology has penetrated the cellular phone charging market over the recent decade, and it is an emerging technology for charging electric vehicles. To promote a greater understanding of research work in WPT, this Special Issue, titled “New Insights of Wireless Power Transfer”, will include key developments in the theory of WPT, which will be verified through simulations and/or experiments. We invite original manuscripts presenting recent advances in this area, including the following topics:

- Wireless power transfer systems;
- simultaneous wireless information and power transfer;
- Microwave power transmission;
- Power harvesting;
- Microwave rectifier and rectenna;
- Millimeter-wave and terahertz antennas;
- MIMO antenna;
- High-gain antennas;
- Compensators/decoupling networks;
- Dynamic beam focusing;
- Wireless power transfer efficiency;
- Wireless power transfer control;
- Misalignment and distance tolerance;
- Space-based solar power.

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### Guest Editors

Dr. Bo Yang

Dr. Daotong Li

Dr. Peng Mei

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### Deadline for manuscript submissions

15 August 2025



## Electronics

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CiteScore 6.1



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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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### Editor-in-Chief

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#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.8 days after submission; acceptance to publication is undertaken in 2.4 days (median values for papers published in this journal in the first half of 2025).