

Special Issue

Wireless Power Transfer and Wireless Energy Harvest

Message from the Guest Editors

In the intelligence era, a large amount of power electronic and sensor equipment is used widely. Stable power supply has been a big problem for a long time, especially considering large-scale equipment power supply. Wireless power transfer (WPT) and wireless energy harvesting (WEH) are effective methods to solve the above problems. As a non-contact power supply method, WPT can realize safe and reliable access to mobile devices and multiple loads. WEH can convert unused or wasted energy in the surrounding environment into valuable electric energy for the power supply. WPT and WEH technology have been extensively developed in recent years, paving the way for various applications. This Special Issue introduces the latest WPT and WEH systems research and presents power supply solutions for different applications. We welcome original research articles, including rigorous methodology and in-depth discussions to propose novel solutions to challenges in related fields. Commentary articles summarizing the current state of understanding are also welcome.

Guest Editors

Dr. Bo Luo

Dr. Chaoqiang Jiang

Prof. Dr. Ruikun Mai

Deadline for manuscript submissions

closed (15 April 2023)



Electronics

an Open Access Journal
by MDPI

Impact Factor 2.6
CiteScore 6.1



mdpi.com/si/116835

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

[mdpi.com/journal/
electronics](https://mdpi.com/journal/electronics)





Electronics

an Open Access Journal
by MDPI

Impact Factor 2.6
CiteScore 6.1



[mdpi.com/journal/
electronics](https://mdpi.com/journal/electronics)



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.

Editor-in-Chief

Prof. Dr. Flavio Canavero

Department of Electronics and Telecommunications, Politecnico di
Torino, 10129 Torino, Italy

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), CAPus /
SciFinder, Inspec, Ei Compendex and other databases.

Journal Rank:

JCR - Q2 (Engineering, Electrical and Electronic) /
CiteScore - Q1 (Electrical and Electronic Engineering)

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).