

Special Issue

Wireless Powered Communications for Internet of Things

Message from the Guest Editors

The objective of this Special Issue is to explore recent advances and challenges in WPC and the emerging research with respect to the resource allocation and network optimization for a hybrid WPC system with both the active RF radios and the passive backscatter radios. Original research and review articles in this area are welcome. Potential topics include, but are not limited to the following:

- Protocols and implementations for WPC
- WPC in industry and healthcare monitoring
- Resource allocation and optimization for WPC
- Multi-antenna and intelligent reflecting surfaces for WPC
- Wireless powered backscatter communication networks
- Energy and information cooperation in WPC
- Machine learning and cognitive networking for WPC
- WPC in wireless aerial networks
- WPC in mobile edge computing and vehicular networks
- Robustness, reliability, and security issues in WPC

Welcome to Contribute!

Guest Editors

Dr. Shimin Gong

Prof. Dr. Kun Zhu

Dr. Siyuan Zhou

Dr. Cheng Zhang

Deadline for manuscript submissions

closed (31 May 2022)



Electronics

an Open Access Journal
by MDPI

Impact Factor 2.6
CiteScore 6.1



mdpi.com/si/100463

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 guestedited 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), CAPlus /
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).