

Special Issue

Advanced Applications in Low-Power Wireless Communication

Message from the Guest Editors

Wireless systems are already widely used, but significant progress in radio technologies and communication protocols in recent years continuously opens new application areas. Improvements in transceiver energy efficiency, communication reliability, dependability and network capacities, as well as new functionalities of built-in radio devices, broaden the range of possible applications. Rapid progress in wireless technologies enables the application of wireless systems to areas that were aside of digital revolution for a long time.

This Special Issue aims to seek high-quality submissions highlighting advanced applications of low power wireless networks, addressing recent breakthroughs in the area, wireless communication applications, and the development of low- and ultra-low-power wireless transceivers and applications. The papers describing robust and reliable wireless communication protocols, simulation and planning of wireless networks, application of wireless communication to intelligent monitoring and control in industry, agriculture and farming, radio-based localization and location-based services, and so on.

Guest Editors

Dr. Maciej Nikodem

Dr. Atsushi Ito

Prof. Dr. Krzysztof Grochla

Deadline for manuscript submissions

closed (31 March 2023)



Electronics

an Open Access Journal
by MDPI

Impact Factor 2.6
CiteScore 6.1



mdpi.com/si/89003

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).