

Special Issue

Innovations in Radio Frequency Technologies, Wireless Communication, and Signal Processing

Message from the Guest Editors

Radio frequency (RF) is a common resource used in wireless communication and radar. In the past, wireless communication and radar were considered to be conflicting due to the interference between them; however, with the development of RF technologies, people have found that wireless communication and radar can co-exist harmoniously. For example, positioning the receiver can help the transmitter direct the communication signal more accurately toward the mobile receiver via beamforming. Conversely, distributed radar systems have a higher resolution by communicating the sensing data. In addition, dual-function radar-communication systems have also emerged. Therefore, wireless communication and radar can benefit from each other, which becomes a significant trend for future wireless communication and radar systems. Topics of interest include (but are not limited to) the following:

- 6G;
- Radar signal processing;
- Integrated sensing and communication;
- Semantic communication;
- Reconfigurable intelligent surface;
- Machine learning;
- Resource allocation and management;
- Information theory and Security;

Guest Editors

Dr. Wensheng Lin

Prof. Dr. Junli Liang

Prof. Dr. Haitao Xu

Deadline for manuscript submissions

15 December 2025



Electronics

an Open Access Journal
by MDPI

Impact Factor 2.6
CiteScore 6.1



mdpi.com/si/218446

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).