

Topical Collection

Millimeter and Terahertz Wireless Communications

Message from the Collection Editor

Although the millimeter and terahertz waves cover a wide range of frequencies, which are relatively free of users, these regimes present principal challenges in the realization of wireless communication links and radars in all aspects. This Collection is aimed at addressing issues that are involved in the analysis, design, and implementation of the different communication layers featuring in a wireless link operating in the millimeter and submillimeter (Terahertz) regimes. This includes:

- Communication techniques
- Millimeter and terahertz wave technology
- Transmitter and receiver architectures
- The physical and the medium access control (MAC) layers
- Modulation waveforms and coding
- Passive and active components
- Antennas
- Terrestrial links
- Satellite communications
- Personal, local, and wide area wireless networks
- The 5th generation of cellular communication
- Propagation in the atmospheric medium and through the ionosphere
- Weather conditions effects (humidity, fog, haze, dust, rain, etc.)
- Frequency allocation and standardization
- Utilization of unlicensed bands
- The 6th generation in the future



Electronics

an Open Access Journal
by MDPI

Impact Factor 2.6
CiteScore 6.1



mdpi.com/si/31724

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

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

Collection Editor

Prof. Dr. Yosef Pinhasi

Department of Electrical and Electronics Engineering, Ariel University,
Ariel 40700, Israel





Electronics

an Open Access Journal
by MDPI

Impact Factor 2.6
CiteScore 6.1



[mdpi.com/journal/
electronics](http://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), CAPIPlus / 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 16.4 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the second half of 2025).

