Special Issue

Antennas and Microwave/Millimeter-Wave Applications

Message from the Guest Editors

As a key component of modern wireless communication systems, antennas and millimeter-wave (mmWave) are regarded as critical technology for future mobile communication. As the massive number of antenna elements for beamforming and wave propagation behavior in mmWave produce unprecedented challenges, array antennas and the array field/wave propagation aspects of mmWave must be thoroughly studied. To support the new frequency bands and wireless system architectures that bridge between traditional antenna topics and the challenges confronted with mmWave, authors in the related fields are welcome to contribute to this SI This SI focuses on antennas, propagation and EM theory, as well as some numerical methods—for example, the Method of Moment (MOM), Finite Difference Time Domain (FDTD) and Finite Element method (FEM), in addition to observing their applications. Ionospheric radiowave papers can also be included in this Special Issue Topics:

- Antennas
- EM theory and its application
- Electromagnetic scattering and inverse scattering
- FDTD/MOM/FEM method and its advance application
- Plasmas Electromagnetics and its application
- Radiowave Propagation
- Millimeter-wave

Guest Editors

Prof. Dr. Youlin Geng

College of Electronics and Information, Hangzhou Dianzi University, Hangzhou 310018, China

Prof. Dr. Lixia Yang

School of Electronics and Information, Anhui University, Hefei 230031, China

Deadline for manuscript submissions

15 December 2024

Electronics

an Open Access Journal by MDPI

Impact Factor 2.6
CiteScore 5.3

mdpi.com/si/169543

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

mdpi.com/journal/electronics

Electronics

an Open Access Journal by MDPI

Impact Factor 2.6
CiteScore 5.3

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), CAPlus / SciFinder, Inspec, Ei Compendex and other databases.

Journal Rank:

JCR - Q2 (Physics, Applied) / CiteScore - Q2 (Control and Systems 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 2.6 days (median values for papers published in this journal in the first half of 2024).

MDPI