Special Issue

Advances in mmWave Massive MIMO

Message from the Guest Editors

It is necessary to investigate mmWave massive MIMO technologies for next generation wireless communication, including advanced massive MIMO antenna architecture, hybrid precoding, channel estimation and prediction, and signal processing algorithm for mmWave massive MIMO techniques. These techniques include modulation and coding technology for mmWave massive MIMO, massive access technology, IRS, and cell-free massive MIMO, distributed massive MIMO, AI for mmWave massive MIMO, etc. Specifically, this Special Issue will look to develop efficient physical layer technologies for mmWave massive MIMO. Topics of this Special Issue interest include, but are not limited to, the following:

- MmWave massive MIMO antenna architecture;
- Hybrid percoding for mmWave massive MIMO;
- Fast channel estimation and channel prediction;
- Pilot design for mmWave massive MIMO;
- Interference cancellation and massive access technology;
- Distributed mmWave massive MIMO;
- Cell-free mmWave massive MIMO;
- Signal processing for massive MIMO;
- AI integrated mmWave massive MIMO;
- Modulation and coding technology for mmWave massive MIMO.

Guest Editors

Prof. Dr. Lixia Xiao

Dr. Wenjuan Yu

Dr. Wanming Hao

Deadline for manuscript submissions

closed (15 December 2023)

Electronics

an Open Access Journal by MDPI

Impact Factor 2.6
CiteScore 6.1

mdpi.com/si/165657

Electronics
Editorial Office
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 6.1

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 (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).

MDPI