

## Special Issue

# Massive MIMO and Other Advanced Antenna Techniques for 5G/6G Wireless Systems

### Message from the Guest Editors

The evolution of wireless communication technologies has driven advancements to support the increasing demand for high-speed data rates, ultra-reliable connectivity, and exceptionally low latency. mMIMO technology has been pivotal in meeting these stringent requirements for 5G networks and is anticipated to play an even more critical role in future 6G wireless systems. However, mMIMO alone cannot satisfy all future demands, necessitating the exploration and integration of other advanced antenna technologies such as intelligent surfaces, movable antennas, and fluid antennas.

The network performance can be further improved by combining cutting-edge technologies such as reconfigurable smart surfaces, non-terrestrial networks, and V2X communications.

This SI invites high-quality original research articles and comprehensive reviews addressing both theoretical and practical aspects of mMIMO and advanced antenna technologies in the context of 5G/6G networks. Potential topics include, but are not limited to, optimization algorithms, novel channel estimation techniques, advanced interference mitigation strategies, AI-assisted antenna management, and real-world experimental implementations.

---

### Guest Editors

Dr. Huan Huang

Dr. Tianqi Yu

Dr. Jide Yuan

---

### Deadline for manuscript submissions

15 March 2026



## Electronics

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.6  
CiteScore 6.1



[mdpi.com/si/252340](https://mdpi.com/si/252340)

*Electronics*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[electronics@mdpi.com](mailto: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).