

## Special Issue

# Covert Wireless Communication with Multi-Domain Uncertainties

### Message from the Guest Editors

This Special Issue will focus on investigating fundamental and practical challenges for the analysis and design of covert communication with multi-domain uncertainties, proposing new transmission protocols and schemes for various metrics. More specifically, this Special Issue will bring together leading researchers and developers to present their views on the current trends and challenges, addressing various issues related to covert communication. Prospective authors are invited to submit original manuscripts on the following topics of interest, including but not limited to:

- Fundamental theory of covert communication
- Cooperation and relaying in covert communication
- Covert communication in time-critical networks
- Covert communication in massive MIMO systems
- RIS-aided covert communication
- Covert communication in spectrum sharing systems (cognitive radio, NOMA, etc.)
- Energy harvesting in covert communication
- Optimal coding for covert communication
- Machine learning in covert communication
- Covert communication in burgeoning scenarios (JAV, backscatter, etc.)
- Game-based resource allocation in covert communication

---

### Guest Editors

Dr. Weiwei Yang

College of Communications Engineering, Army Engineering University of PLA, Nanjing 210007, China

Dr. Yuzhen Huang

Academy of Military Sciences of PLA, Beijing 100091, China

Dr. Xingbo Lu

Academy of Military Sciences of PLA, Beijing 100091, China

---

### Deadline for manuscript submissions

closed (30 June 2024)



## Electronics

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.9  
CiteScore 7.0



[mdpi.com/si/147848](https://mdpi.com/si/147848)

*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 2.9  
CiteScore 7.0



[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 (Signal Processing)

#### 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).