

## Special Issue

# Cognitive Radio Applications in Wireless Communication System

### Message from the Guest Editors

Cognitive radio (CR) is an advanced technology that can change its transmitter parameters by interacting with its operating environment. The idea of CR has been applied in many fields of wireless communication. This Special Issue focuses on the applications of CR in wireless systems. The purpose is to report the latest achievements and progress in related theories and technologies, but not limited to:

- Dynamic spectrum sensing in CR;
- Resource scheduling in CR;
- Ad Hoc network based on CR;
- Security of CR networks;
- Application of artificial intelligence technology in CR system design;
- CR-based IoT systems;
- Spectrum sensing in CR;
- Application of CR in 5G networks.

---

### Guest Editors

Prof. Dr. Ke Xiong

Dr. Bo Gao

Dr. Huacheng Zeng

Prof. Dr. Qiang Ni

---

### Deadline for manuscript submissions

closed (15 October 2021)



## Electronics

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.6  
CiteScore 5.3



[mdpi.com/si/68791](https://mdpi.com/si/68791)

*Electronics*  
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 5.3



[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 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), CAPus /  
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).