

## Special Issue

# Recent Development of Signal Detection and Processing

### Message from the Guest Editors

Signal detection and processing technology plays a crucial role in multiple fields such as geophysics, communication, radar and sonar, medical diagnosis, image processing and computer vision, audio and speech processing, electronic engineering, control systems, and the Internet of Things and sensor networks. With the continuous development of technology, the application fields of these technologies will continue to expand and deepen. In this context, this Special Issue aims to foster discussions about the design, implementation, evaluation, and application of emerging signal detection and processing techniques in various fields among practitioners, researchers, and educators. This Special Issue solicits articles addressing numerous topics, including but not limited to the following:

- Theory of signal detection and processing;
- Design of signal detection and processing system;
- Application of signal detection and processing method;
- Recent developments of signal detection and processing.

---

### Guest Editors

Prof. Dr. Yang Zhang  
Dr. Yuhang Guo  
Prof. Dr. Junfeng Yuan

---

### Deadline for manuscript submissions

31 May 2026



## Signals

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.6  
CiteScore 4.6



[mdpi.com/si/210334](https://mdpi.com/si/210334)

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

[mdpi.com/journal/  
signals](https://mdpi.com/journal/signals)





# Signals

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.6  
CiteScore 4.6



[mdpi.com/journal/  
signals](https://mdpi.com/journal/signals)



## About the Journal

### Message from the Editor-in-Chief

Our primary goal is to encourage scientists and engineers to publish their theoretical results and developed methods in as much detail as possible. There is no limit to the maximum length of papers. Whenever possible, authors are encouraged to provide relevant data and developed code so that the results can be reproduced. Our goal is to provide a platform for scientists and engineers to share new approaches to signal processing in various application domains.

---

### Editor-in-Chief

Prof. Dr. Santiago Marco

1. Department of Electronics and Biomedical Engineering, University of Barcelona, Martí I Franqués 1, 08028 Barcelona, Spain
2. Signal and Information Processing in Sensor Systems, Institute for Bioengineering of Catalonia, The Barcelona Institute of Science and Technology, Baldiri Rexac 10-12, 08028 Barcelona, Spain

---

### Author Benefits

#### High Visibility:

indexed within Scopus, ESCI (Web of Science), Inspec, and other databases.

#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 21.8 days after submission; acceptance to publication is undertaken in 8.9 days (median values for papers published in this journal in the second half of 2025).

#### Journal Rank:

JCR - Q2 (Engineering, Electrical and Electronic) /  
CiteScore - Q2 (Engineering (miscellaneous))