

## Special Issue

# B5G/6G Networks: Directions and Advances

### Message from the Guest Editors

At present, based on the achievements and standardization of 5G, researchers have started to conceptualize beyond-5G (or 6G) networks with the vision of integrating sensing, communication, computation, and control functionalities. To achieve multi-dimensional functionalities, state-of-the-art wireless technologies (e.g., THz communication and millimeter-wave communications) have appeared to promote the development of B5G/6G applications. However, these technologies usually demand high computation capability and communication resources, thereby posing a significant challenge for the design and implementation of B5G/6G systems. To alleviate these challenges, promising techniques such as artificial intelligence (AI), reconfigurable intelligent surfaces (RISs), and new multi-access techniques have emerged for the design and optimization of B5G/6G networks with great promise. Thus, the convergence of these advanced techniques and network design will potentially pave the way toward a sustainable B5G/6G ecosystem...

---

### Guest Editors

Dr. Bo Yang

Dr. Hongliang Zhang

Dr. Shuping Dang

---

### Deadline for manuscript submissions

closed (31 January 2023)



## Signals

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.6  
CiteScore 4.6



[mdpi.com/si/101576](https://mdpi.com/si/101576)

*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 Reixac 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 22.9 days after submission; acceptance to publication is undertaken in 7.6 days (median values for papers published in this journal in the first half of 2025).

#### Journal Rank:

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