

## Special Issue

# Trends and Prospects in Green Communications and Networking

### Message from the Guest Editors

Green communication and computing are essential to sustainable development in the information and communications technology (ICT) industry. This Special Issue welcomes all submissions that discuss the recent advances and future trends of green communication and computing for 6G. We expect high-quality and original research papers offering emerging theories, promising techniques, potential applications, and comprehensive surveys regarding green communication and computing for 6G. Topics covered in this Special Issue include the following:

- Advanced network architecture design for resource-efficient 6G networks.
- Artificial intelligence-driven green communication and computing for 6G.
- Physical layer enhancement network for supporting resource-constrained devices.
- Passive reflecting communications, e.g., backscatter and intelligent reflecting surfaces (IRSs), aiding green 6G networks.
- QoS/QoE improvement for green 6G networks.

---

### Guest Editors

Dr. Qubeijian Wang

Dr. Yalin Liu

Dr. Xuran Li

Dr. Qiu Wang

---

### Deadline for manuscript submissions

30 April 2026



## Network

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.1  
CiteScore 6.5



[mdpi.com/si/236739](https://mdpi.com/si/236739)

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

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





# Network

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.1  
CiteScore 6.5



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



## About the Journal

### Message from the Editor-in-Chief

*Network* provides full coverage of all topics of interest involved in the networking area. The purpose of this journal is to bring together researchers, engineers, and students from academia and industry to present novel ideas and solid research about the theoretical and practical aspects in the application domains of communications and networks. The primary focus of the journal is on the analysis, modeling, design, simulation, and implementation of networks. This journal will also serve to attract research concerning applying networking architectures and scenarios to emerging research topics such as Internet of Things (IoT), edge computing, distributed ledger technology, among others.

---

### Editor-in-Chief

Prof. Dr. Alexey Vinel

School of Information Technology, Halmstad University, 301 18  
Halmstad, Sweden

---

### Author Benefits

#### Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

#### High Visibility:

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

#### Journal Rank:

JCR - Q2 (Computer Science, Information Systems) /  
CiteScore - Q1 (Engineering (miscellaneous))