

## Special Issue

# 6G Wireless Communication Systems: Applications, Opportunities and Challenges

### Message from the Guest Editors

To meet the coming challenges, the sixth generation (6G) mobile network is expected to define the high technical standard of this new spectrum, including energy-efficient transmission techniques. The objective of this Special Issue is to define the framework of the 6th generation of communication networks, its services and breakthrough technologies. The topics of interest include, but are not limited to the following:

- Novel AI-based architectures, frameworks, and testbeds for 6G,
- New energy harvesting technologies,
- New antenna array design for massive MIMO,
- Intelligent spectrum management in 5G/6G using AI-assisted blockchains,
- Breakthrough technologies and concepts,
- New network architectures concepts and technologies to harness new spectrum,
- Techniques to improve energy efficiency in a radio network,
- Reconfigurable antennas and devices for the next generation,
- Innovative AI and 6G-enabled user applications,
- AI applications for the physical layer of wireless communications

### Guest Editors

Dr. Chan Hwang See

Dr. Kelvin Anoh

Dr. Yousef Dama

Prof. Dr. Simeon Keates

Prof. Dr. Raed A. Abd-Alhameed

### Deadline for manuscript submissions

closed (10 May 2022)



## Future Internet

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.6  
CiteScore 8.3



[mdpi.com/si/48306](https://mdpi.com/si/48306)

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

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





# Future Internet

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.6  
CiteScore 8.3



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



## About the Journal

### Message from the Editor-in-Chief

*Future Internet* is a fast-growing journal devoted to rapid publications of the latest results in the general areas of computer networking/communications and information systems, with a focus on the Internet of Things, big data and augmented intelligence, smart systems (in terms of technologies, architectures, and applications), network virtualization, edge/fog computing, and cybersecurity. Both theoretical and experimental papers are welcome. Every year, *Future Internet* also features Special Issues dedicated to specific topics within the journal's scope.

---

### Editor-in-Chief

Prof. Dr. Gianluigi Ferrari  
Department of Engineering and Architecture, University of Parma,  
Parco Area delle Scienze, 181/A, 43124 Parma, Italy

---

### Author Benefits

#### Open Access:

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

#### High Visibility:

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

#### Journal Rank:

JCR - Q2 (Computer Science, Information Systems) /  
CiteScore - Q1 (Computer Networks and Communications)