

Special Issue

Algorithms, Architectures, and Applications for Future Wireless and Distributed Networks

Message from the Guest Editors

Through this thematic focus, this Special Issue seeks to highlight new theoretical directions and practical applications that will strengthen the robustness and sustainability of future wireless infrastructures.

The Special Issue covers (but is not limited to) the following topics:

- Communication-efficient algorithms for wireless and distributed learning;
- Energy-aware architectures for next-generation wireless networks;
- Federated and distributed deep learning over heterogeneous wireless infrastructures;
- Edge intelligence: integrating deep learning at the wireless edge;
- Low-latency architectures for 6G and beyond distributed systems;
- Adaptive routing and topology control in large-scale wireless networks;
- Security and privacy-preserving mechanisms for intelligent distributed networks;
- Applications of language model learning in wireless communication optimization;
- Sustainable architectures for green and resilient wireless infrastructures;

Guest Editors

Dr. Dimitrios Katsaros

Department of Electrical and Computer Engineering, University of Thessaly, 38334 Volos, Greece

Dr. Evangelia Fragkou

Department of Electrical and Computer Engineering, University of Thessaly, 38334 Volos, Greece

Deadline for manuscript submissions

20 May 2026



Future Internet

an Open Access Journal
by MDPI

Impact Factor 3.6
CiteScore 8.3



mdpi.com/si/256871

Future Internet
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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)