

Special Issue

Secure and Trustworthy Next Generation O-RAN Optimisation

Message from the Guest Editors

In this Special Issue, prospective authors are invited to submit original and innovative manuscripts on the design, development, testing, and evaluation of Beyond 5G and 6G network components including, but not limited to, the following:

- Design, orchestration and coordination of network architecture based on O-RAN, SDN, and neutral host networks, among others;
- Network optimization algorithms for performance, load balancing, and intelligent spectrum management in future wireless networks;
- Secure and trustworthy deployment and management of mobile networks, catering to both traditional and emerging technologies, such as immersive communications (IC), extended reality (XR), digital twins, and holographic communications.

Guest Editors

Dr. Michael Mackay

Dr. Alessandro Raschellà

Dr. Miguel López-Benítez

Dr. Ahmed Al-Tahmeesschi

Deadline for manuscript submissions

31 August 2025



Future Internet

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 7.1



mdpi.com/si/225484

Future Internet
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 2.8
CiteScore 7.1



[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)