

## Special Issue

# AI-Based Innovations in 5G Communications and Beyond

### Message from the Guest Editors

The proposed Special Issue aims to consider original work and applications in V2X communication, 5G communication, and IoT domains that benefit from AI technologies, including Machine Learning, reinforcement learning, and deep learning. In this context, we are looking for contributions covering one or more of the following topics:

- AI applications in 5G systems and beyond;
- AI-enabled smart technologies for human-centred IoT systems;
- Multi-use MIMO systems;
- Ubiquitous and cognitive AI in IoT;
- AI for vehicular communication;
- Deep learning-driven distributed communication systems;
- Blockchain-enabled communication systems;
- Softwarized UAV network management for next-generation internet-based communities;
- AI-based collaborative computing for smart communication and networking systems;
- Edge- and 6G-driven ubiquitous wireless communication;
- Integrating network softwarization techniques into 6G communication systems and applications.

### Guest Editors

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### Deadline for manuscript submissions

closed (31 July 2025)



## Network

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## 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.

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### Editor-in-Chief

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