

## Special Issue

# AI-Enabled 5G and Beyond Communication Networks: Architectures, Intelligence, and Applications

### Message from the Guest Editors

This Special Issue aims to provide a comprehensive forum for recent advances in AI-enabled 5G and beyond communication networks, with a focus on architectures, intelligence, and applications. Topics of Interest (including but not limited to)

- AI-enabled architectures for 5G and beyond networks;
- Intelligent signal processing for wireless communications;
- Model-aware and learning-enhanced wireless systems;
- Intelligent resource management and network optimization;
- AI-enabled applications, including joint communication and sensing, localization and other emerging 5G- and 6G-oriented scenarios.

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### Guest Editors

Prof. Dr. Han Wang

Prof. Dr. Fangqing Wen

Prof. Dr. Xianpeng Wang

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### Deadline for manuscript submissions

31 January 2027



## Future Internet

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## 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.

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### Editor-in-Chief

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