



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

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### 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:

Deadline for manuscript  
submissions:

**closed (10 May 2022)**

- 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





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## 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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