

## Special Issue

# 5G/6G Networks for Wireless Communication and IoT

### Message from the Guest Editors

The purpose of this Special Issue is to gather insights regarding the main characteristics and technologies that 5G/6G networks must embed to meet the requirements of legacy and modern IoT-related applications meant to proliferate further in the near future. This Special Issue will cover (but is not limited to) the following topics:

- Requirements, use cases, and enabling technologies of future 6G networks;
- The evolution of wireless networks from 5G to 6G;
- Measurement frameworks for 5G/6G;
- The role of cloud computing in 6G network applications;
- Edge computing for context awareness in 6G-oriented IoT applications;
- Spectrum sharing in networks beyond 5G;
- Terahertz communications;
- Programmable and virtualized networks for 5G/6G;
- Group communications in 5G/6G;
- Energy efficiency in 5G/6G-enabled IoT networks;
- Machine learning/artificial intelligence for network management in 5G/6G networks;
- Non-terrestrial-network-aided communications in 6G;
- The IoE paradigm as an evolution of the IoT;
- Wearable IoT devices in future applications;
- The evolution of security protection mechanisms in cellular networks;
- Trust, security, and privacy in 6G and IoT.

### Guest Editors

Prof. Dr. Giuseppe Araniti

Dr. Chiara Suraci

Dr. Anna Maria Mandalari

Dr. Roberto Morabito

Dr. Antonino Orsino

### Deadline for manuscript submissions

closed (31 August 2025)



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## About the Journal

### Message from the Editor-in-Chief

*Sensors* is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. Sensors organizes Special Issues devoted to specific sensing areas and applications each year.

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### Editor-in-Chief

Prof. Dr. Vittorio M. N. Passaro

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