

## Special Issue

# Terahertz and Millimeter Wave Communications for 5G and Beyond: Applications and Future Directions

### Message from the Guest Editor

In light of the unprecedented interest in this field, this Special Issue explores innovative research on THz and mmWave communication systems. We invite high-quality, original contributions that focus on, but are not limited to:

- THz and mmWave channel modeling, propagation, and measurements.
- Performance analysis of THz and mmWave communication systems.
- Network architectures and protocols.
- Novel antenna design and beamforming techniques.
- Advanced modulation, coding, and signal processing strategies.
- AI/ML for integration of THz and mmWave systems.
- Cyber and physical-layer security of THz and mmWave networks.
- Spectrum sharing, coexistence, and interference management.
- Testbeds, experiments, and prototyping of THz and mmWave systems.
- Standardization, regulatory, and business frameworks for THz and mmWave systems.
- New applications and use cases for THz and mmWave systems.

### Guest Editor

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### Deadline for manuscript submissions

31 December 2025



## Sensors

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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

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