



## Millimeter-Wave and Terahertz Technologies for Wireless Communications

Guest Editors:

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### Message from the Guest Editors

Driven by the requirements of an extremely high data rate and ultra-reliability in emerging applications, millimeter-wave (mmwave) and terahertz (THz) communications have attracted significant attention. This Special Issue seeks to identify key enabling technologies to support mmWave/THz communications. Topics of interests include, but are not limited to, the following:

- (1) mmWave/THz wave propagation and channel modeling
- (2) High-power mmWave/THz amplifier
- (3) RF frontend and antenna design
- (4) Channel estimation and hybrid precoding for mmWave/THz systems
- (5) Resource allocation/management and QoS/QoE improvement for mmWave/THz systems
- (6) Network architectures and protocols for mmWave/THz communications
- (7) Anti-blockage and mobility support techniques for mmWave/THz systems
- (8) Energy-efficiency and green operation for mmWave/THz systems
- (9) mmWave/THz systems integrated with AI and digital twin technologies
- (10) mmWave and THz simulators, prototyping and implementations





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## Editor-in-Chief

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## Message from the Editor-in-Chief

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