



Recent Advances in Antennas and Millimeter-Wave Applications for Mobile Communication Systems

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Deadline for manuscript
submissions:

closed (15 December 2023)

Message from the Guest Editors

Dear Colleagues,

With the spectrum scarcity at the sub-6 GHz bands and the increasing demands for extremely high data rates, mmWave communications are regarded as a critical technology for future mobile communication systems. mmWave frequency bands have been explored and exploited in the past several years to meet the requirements of emerging wireless services highlighted by high data rates, ultrareliability, and ultralow delivery latency. Despite the benefits of high data rates and ultralow latency, the unique characteristics of mmWave along with hardware constraints, introduce great challenges in the design of efficient and robust mmWave communication systems. This requires a great deal of fundamental research on the design of all aspects of antenna and mmWave application.

This Special Issue aims to publish high-quality manuscripts covering new research on topics related to mmWave communications and multiple-antenna technology, including but not limited to :

- signal processing for mmWave networks
- mobility management and seamless handover for mmWave networks
- PHY design
- channel measurement
- network analysis and resource allocation
- interference management





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Message from the Editor-in-Chief

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