

Special Issue

Antenna Design and Application for 5G and Beyond

Message from the Guest Editors

We are inviting submissions to the Special Issue on Antenna Design and Application for 5G and Beyond. Fifth-generation (5G) communication and beyond has attracted attention from both academia and industry, with many research outputs and significant improvements have been reported. Many reported efforts and research outputs with significant improvements in different aspects, such as data rate speed and resolution, mobility, latency, etc. In some countries, the commercialization of 5G communication is already established, as well as initial research of beyond technologies such as 6G.

5G/6G devices are intended to support millimeter-wave (mmWave) and terahertz (THz) spectra in addition to sub-6 GHz frequency bands. Moving to higher bands, on the other hand, would present new issues and probably necessitate careful consideration of antenna design for smart devices. Compact antennas configured as conformal, planar, and linear arrays can be used to build phased arrays with high gain and directed radiation beams at various parts of base stations and user equipment.

- antenna design
- microwave device design
- 5G and beyond

Guest Editors

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