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Antenna Design and Application for 5G and Beyond

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Deadline for manuscript submissions:
closed (20 May 2023)

Message from the Guest Editors

Dear Colleagues,

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

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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