



Microwave Antennas: From Fundamental Research to Applications

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Deadline for manuscript
submissions:

closed (30 April 2023)

Message from the Guest Editors

Dear Colleagues,

Recent developments in the areas of 5G and future 6G mobile communications drove a great deal of antenna technology research towards higher-frequency bands, i.e., the millimeter waves (30 GHz–300 GHz). These new, large bands allow for enhanced mobile broadband, whereas higher frequencies allow for packing very small antennas and antenna arrays with beamforming capability into final commercial products. We invite researchers from both industry and academia to contribute to this Special Issue with their ongoing research and visions of the future trends in microwave antennas. The contributions should consider, but are not limited to, the following topics:

- Antenna elements;
- Antenna arrays;
- Antenna elements and arrays for navigation;
- Antenna design and optimization techniques;
- Antennas for automotive and airborne communications;
- IoT antennas;
- Antenna measurement;
- Antennas and antenna arrays signal processing;
- Filtering antennas;
- Frequency-selective surfaces.





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Message from the Editor-in-Chief

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