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Advanced Antenna Techniques for IoT and 5G Applications

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Deadline for manuscript
submissions:
closed (25 August 2023)

Message from the Guest Editor

The objective of this Special Issue is to report techniques for IoT and 5G antennas that reach beyond the frontiers of the current state of the art. The topics of interest cover design and modeling methods, beam control techniques, and optimization algorithms, including but not limited to:

- Analysis of shadowing effects;
- Algorithmic selection and generation of topologies;
- Design and validation of beamforming networks;
- Computer-aided design;
- Energy harvesting;
- Failure identification techniques;
- Forward and inverse modeling techniques for 5G/IoT antennas and arrays;
- MIMO structures and massive MIMO systems;
- Miniaturization techniques;
- Multi-physics modeling and optimization;
- Radiation effects on living tissues;
- Reconfigurable antennas;
- Specialized optimization algorithms;
- Structures and algorithms for automobile communication;
- Surrogate-assisted methods;
- Quality-of-service-oriented design
- Telemedicine and biomedical applications;
- Yield estimation and maximization techniques.



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Special Issue



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Message from the Editor-in-Chief

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