Special Issue

Advanced Antenna Design for 5G, 6G and IoT Communications

Message from the Guest Editor

This Special Issue aims to publish a collection of novel, innovative and cutting-edge recent research articles on antenna design and optimization, related signal processing techniques, applications of machine learning methods in antennas design, RF energy harvesting and RF front-end design studies for 5G, 6G and future IoT systems. Novel research articles and comprehensive review manuscripts on the state-of-the-art antenna techniques are welcomed. The research topics of this Special Issue include, but are not limited to, the following:

- Antenna design for IoT devices;
- Novel antenna techniques;
- Machine learning and deep learning for antenna systems;
- Antennas design and optimization;
- High-efficiency antennas;
- Antenna and energy harvesting design;
- Impedance matching techniques;
- Circuit design for antennas;
- MIMO and massive MIMO techniques;
- Intelligent reflective surfaces;
- Computational electromagnetic for antennas;
- Antenna arrays;
- Beamforming techniques;
- Miniaturization of antennas;
- THz and mm-wave antennas;
- Antenna design for 5G and 6G networks;
- Antennas design for mobile devices.

Guest Editor

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Deadline for manuscript submissions

closed (15 May 2024)

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About the Journal

Message from the Editor-in-Chief

Electronics is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guestedited by leading experts in selected topics of interest.

Editor-in-Chief

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