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Design and Optimization of Multiple Antenna Technologies

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Deadline for manuscript submissions:
closed (31 October 2022)

Message from the Guest Editors

Dear Colleagues,

This Special Issue is soliciting original contributions that address major challenges in the theory and design techniques of multiple element antennas. Multi-antenna systems, which can be composed of fed or parasitic elements, make a wide variety of functions possible, including electronic scanning, wideband or multiband behaviors, multistandard operation, etc. However, most of these applications lead to integration and radio constraints, for example, the coupling between radiating elements or isolation between antenna ports as well as limits on radiation efficiency, particularly in the context of highly constrained volumes.

We look forward to reading the latest research results but also invite review articles that suggest theories and practical solutions for the design and optimization of multi-antenna systems.

Authors are encouraged to submit contributions in any of the following or related areas for multiple element antennas:

- Bandwidth enhancement;
- Multiband behavior;
- Electronic scanning and radiation pattern control;
- Realization techniques;
- Modeling

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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 guest-edited by leading experts in selected topics of interest.

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