

Special Issue

Metastructures and Antennas with Enhanced Properties for Modern Microwave and Millimeter-Wave Applications

Message from the Guest Editors

The improvement of fabrication techniques during the last decade has allowed for the development of metastructures based on more complex designs. These new types of metastructures usually gain accuracy, exploit the third spatial dimension (3D devices) as well as the temporal dimension (4D devices) or comprise cells with exotic shapes. They are expected to guide a novel generation of devices for the functionalities, such as absorption, filtering, reconfigurability, scattering control and polarization handling.

This Special Issue is focused on, but not limited to, the following topics:

1. Modern communication systems and devices for microwave and mm-wave frequencies;
2. Metamaterials and frequency selective surfaces with enhanced properties;
3. Antennas: phased arrays, microwave lenses, leaky-wave antennas;
4. Novel manufacturing techniques such as additive manufacturing and micromachining;
5. Analytical and computational methods applied to the analysis of antennas and periodic structures.

Guest Editors

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Deadline for manuscript submissions

closed (31 May 2022)



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

Editor-in-Chief

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