



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

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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.





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Message from the Editor-in-Chief

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