

Special Issue

Metasurface-Based Array Antennas for Communication Systems

Message from the Guest Editors

Metasurface-based array antennas have gained significant attention due to their ability to manipulate electromagnetic waves with high precision in wireless communication systems. The primary goal of this Special Issue is to present state-of-the-art research on metasurface-based antennas and arrays emphasizing their role in enhancing wireless communication systems. The main areas of focus include but are not limited to the following:

- Ultra-wideband (UWB), millimeter-wave (mmWave), and terahertz antenna arrays;
- Electrically small antennas and miniaturization techniques;
- High-gain, beamforming, and beam-steering antennas;
- Reconfigurable antennas;
- Reconfigurable intelligent surfaces (RISs);
- Dual-polarized antenna arrays;
- Printing technologies for antenna arrays;
- Metasurfaces: theory and applications;
- Holographic metasurface antennas;
- Future trends in antenna technologies for next-generation wireless systems;

We look forward to receiving your contributions.

Guest Editors

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Deadline for manuscript submissions

closed (15 June 2025)



Electronics

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Impact Factor 2.6
CiteScore 6.1



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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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