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Metasurface-Based Array Antennas for Communication Systems

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Deadline for manuscript submissions:
closed (15 June 2025)

Message from the Guest Editors

Dear Colleagues,

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.

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Message from the Editor-in-Chief

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