Special Issue

Recent Advancements of Millimeter-Wave Antennas and Antenna Arrays

Message from the Guest Editors

Millimeter-wave (mmWave) technology has gained significant attention in recent years due to its essential role in next-generation communication systems such as 5G, 6G, and beyond. This Special Issue aims to provide a platform for researchers and engineers to share the latest innovations in mmWave antenna and antenna array design, from theoretical developments to practical implementations.

- Design and optimization of millimeter-wave antennas and antenna arrays for 5G/6G communication;
- Compact and efficient mmWave antennas for wearable and body-centric applications;
- Innovative fabrication techniques for millimeter-wave antenna structures;
- Advanced materials for high-performance millimeter-wave antennas;
- Beamforming and beam-steering techniques for mmWave antenna arrays;
- Reconfigurable and adaptive millimeter-wave antennas;
- mmWave antenna integration with devices and systems;
- Millimeter-wave antennas for radar, imaging, remote sensing, and UAV communication applications;
- Metamaterials and metasurfaces for enhancing millimeter-wave antenna performance;
- Numerical modeling, simulation, and experimental validation of mmWave antennas.

Guest Editors

Dr. Sahar Saleh

Dr. Tale Saeidi

Dr. Nick Timmons

Deadline for manuscript submissions

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Electronics
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
electronics@mdpi.com

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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.

Editor-in-Chief

Prof. Dr. Flavio Canavero
Department of Electronics and Telecommunications, Politecnico di Torino, 10129 Torino, Italy

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