

Special Issue

Advances in Antennas, RFID and Metamaterials for 5G and Internet of Things (IoT) Application Areas

Message from the Guest Editors

The objective of this Special Issue is to present research activities in the domain of metamaterials, antenna and RFID-based sensor design and development for 5G and IoT applications. We invite scientists and engineers to contribute original research articles that discuss issues including, but not limited to:

- Smart antennas and beamforming for 5G
- Metamaterials based antennas and meta-surfaces for 5G and beyond
- RFID in 5G
- Broadband antennas
- Antennas for future IoTs, vehicular communications, satellite communications
- Antennas for UAVs/UASs
- Antennas for wireless sensing
- Millimeter-wave and microwave antennas for future wireless systems
- Sensors and antennas for chipless RFID
- Smart sensing materials
- UHF RFID based tags and sensors for IoT
- New materials, technologies and concepts for 5G antennas
- Next generation base station antennas
- Flexible antennas and sensors
- Electromagnetic source transformations

Guest Editors

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Deadline for manuscript submissions

closed (28 February 2023)



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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 guestedited by leading experts in selected topics of interest.

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.4 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the second half of 2025).