Special Issue

Design and Measurement of Integrated Antenna

Message from the Guest Editors

Tens of billions of connected objects are going to fabricated in the next decade and will be driving a digital revolution, such as the Internet of Things (IoT), Industry 4.0, and Smart Cities. Antennae will be a key element of the global performance of such a system. A smart and strong integration of the radiating element in the terminal is essential to enable low-cost, long-range, and robust wireless communication. This Special Issue will focus on techniques for the design and measurement of miniature and integrated antennae. Innovative design and fabrication methods based on characteristic modes, matching circuit, optimal current, reconfigurable radiating elements, new material, and 3D printed antennae are especially targeted. The Special Issue will also aim at contributions on new measurement techniques enabling cable-less antenna characterization or performance extraction in a real environment. Keywords:

- Integrated antenna
- Antenna for IoT
- Reconfigurable antenna
- Antenna measurement
- OTA
- Small antenna
- Characteristic mode
- Matching circuit
- 3D printed antenna
- Multistandard antenna

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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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manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.8 days after submission; acceptance to publication is undertaken in 2.4 days (median values for papers published in this journal in the first half of 2025).

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