Special Issue

Advanced RF/Microwave Electronics for Upcoming Wireless Generations

Message from the Guest Editor

The forthcoming wave of RF electronics, including 6G, WiFi 7, and WiFi 8, is set to redefine electronics markets from 2025 onwards, impacting both the RF/Microwave sectors and beyond. Technologies such as mmWave and 6G will deliver speeds exceeding 1 Gbps, enhanced data bandwidth, and minimized latency due to efficient data-handling capacities. The future RF landscape will be sculpted by groundbreaking technologies, introducing transformative services enabled by nanotechnology and terahertz wireless tech. Key advancements will focus on antennas, power amplifiers, filters, and more, leveraging innovations like ultra-wideband, antenna arrays, MIMO systems, metamaterials, and reconfigurable intelligent surfaces (RISs). These advancements necessitate sophisticated electronic systems. This Special Issue encourages contributions exploring the evolution and challenges in advanced RF/Microwave and mmWave devices, encompassing topics from nanoelectronics to reconfigurable antennas and beyond.

Guest Editor

Dr. Yasir Al-Yasir

Department of Biomedical and Electronics Engineering, Faculty of Engineering and Informatics, University of Bradford, Bradford BD7 1DP, UK

Deadline for manuscript submissions

closed (30 April 2024)

Sensors

an Open Access Journal by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed

mdpi.com/si/180537

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

mdpi.com/journal/sensors

Sensors

an Open Access Journal by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed

mdpi.com/journal/sensors

MDPI

About the Journal

Message from the Editor-in-Chief

Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. Sensors organizes Special Issues devoted to specific sensing areas and applications each year.

Editor-in-Chief

Prof. Dr. Vittorio M. N. Passaro
Dipartimento di Ingegneria Elettrica e dell'Informazione (Department of Electrical and Information Engineering), Politecnico di Bari, Via Edoardo Orabona n. 4, 70125 Bari, Italy

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, MEDLINE, PMC, Ei Compendex, Inspec, Astrophysics Data System, and other databases.

Journal Rank:

JCR - Q2 (Instruments and Instrumentation) / CiteScore - Q1 (Instrumentation)