



RF/Mm-Wave Circuits Design and Applications

Guest Editor:

Dr. Egidio Ragonese

Dipartimento di Ingegneria
Elettrica Elettronica e Informatica
(DIEEI), Università di Catania,
95125 Catania, Italy

Deadline for manuscript
submissions:

closed (30 June 2021)

Message from the Guest Editor

This Special Issue will host the latest results in the field of RF and mm-wave ICs with a focus on active/passive components modelling, electromagnetic (EM) simulation of integrated passive devices, integrated circuit design, system-on-chip (SoC) integration, advanced package-to-chip co-design, new transceiver architectures, and antenna-to-chip co-design.

The topics of interest include but are not limited to the following:

- RX front-end circuits (LNAs, mixers, VGAs, T/R switches, amplifiers, filters, and demodulators);
- Low-power transceivers (wireless circuits for low power operation, battery-less transceivers, wakeup receivers, RFID, and near-field communications);
- Oscillators and frequency synthesizers (VCOs, frequency dividers, multipliers, PLLs, and charge pumps);
- Transmitters and power amplifiers for 5G and mm-wave applications;
- Integrated radars, including vehicular radar sensors;
- mm-wave communication circuits and systems-on-chip;
- Galvanically isolated data/power transfer systems based on RF coupling;
- RF/mm-wave system applications.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Flavio Canavero

Department of Electronics and
Telecommunications,
Politecnico di Torino, 10129
Torino, Italy

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.

Author Benefits

Open Access: free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

High Visibility: indexed within [Scopus](#), [SCIE \(Web of Science\)](#), [CAPus / SciFinder](#), [Inspec](#), and [other databases](#).

Journal Rank: JCR - Q2 (*Electrical and Electronic Engineering*) CiteScore - Q2 (*Electrical and Electronic Engineering*)

Contact Us

Electronics Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/electronics
electronics@mdpi.com
[X@electronicsMDPI](https://twitter.com/electronicsMDPI)