

Special Issue

RF/Microwave Circuit Design and Characterization Techniques

Message from the Guest Editors

Radio-frequency (RF) and microwave/millimeter-wave technologies are becoming increasingly widespread, with a number of applications, including communications, wireless sensing systems, and wireless power transfer. They have had a significant impact on the internet-of-things (IoT) framework, as well as in biomedical, automotive, military, and many other industrial contexts.

The present Special Issue aims to collect original contributions and reviews reporting the state-of-the-art of RF/Microwave circuit design and experimental characterization techniques, with a particular focus on integrated semiconductor process technology, circuit design, test setup development, and instrumentation, but also including CAD techniques, electromagnetic analyses, high-frequency sensing technology, digital signal processing enhancements, and system-level methods. keywords: RF/microwave circuit design; RF/microwave electron devices; RF/microwave characterization and modeling techniques; RF/microwave instrumentation; Digital signal processing for RF/microwave systems; MMIC technology; Antenna design and characterization; CAD techniques

Guest Editors

Dr. Corrado Florian

Department of Electrical, Electronic, and Information Engineering "Guglielmo Marconi", University of Bologna, 40126 Bologna, Italy

Dr. Gian Piero Gibiino

Department of Electrical, Electronic, and Information Engineering, University of Bologna, 40126 Bologna, Italy

Deadline for manuscript submissions

closed (30 April 2023)



Energies

an Open Access Journal
by MDPI

Impact Factor 3.2
CiteScore 7.3



mdpi.com/si/76266

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

[mdpi.com/journal/
energies](https://mdpi.com/journal/energies)





Energies

an Open Access Journal
by MDPI

Impact Factor 3.2
CiteScore 7.3



[mdpi.com/journal/
energies](https://mdpi.com/journal/energies)



About the Journal

Message from the Editor-in-Chief

Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

Editor-in-Chief

Prof. Dr. Enrico Sciubba

Department of Mechanical and Industrial Engineering, University
Niccolò Cusano, 00166 Roma, 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), Ei Compendex, RePEc, Inspec, CAPlus / SciFinder, and other databases.

Journal Rank:

CiteScore - Q1 (Control and Optimization)