



Multi-Functional Integration Microwave Photonic Systems

Guest Editor:

Dr. Zihang Zhu

College of Information and
Navigation, Air Force Engineering
University, Xi'an 710077, China

Deadline for manuscript
submissions:

closed (30 September 2023)

Message from the Guest Editor

Dear Colleagues,

The use of optical devices and techniques to generate, manipulate, transport and measure high-speed radio-frequency (RF) signals, widely known as microwave photonics, has been the focus of intense research activities in recent years. The key advantages of microwave photonic systems over conventional electrical systems include broad bandwidth, reduced size, low loss and immunity to electromagnetic interference, and propel their applications in various areas (e.g., communications, radar, sensors and instrumentation). With the demand for improved cost effectiveness, microwave photonics have gradually evolved from single-function applications including filtering, frequency conversion, photonic beamforming and other signal processing to multi-functional integration capabilities. It is therefore timely to review the current state-of-the-art development to attract contributions from world leaders in their fields, with particular emphasis on major breakthroughs and outstanding challenges in multi-functional integration microwave photonics systems.

Thank you very much!





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Ai-Qun Liu

1. Department of Electrical and Electronic Engineering, The Hong Kong Polytechnic University, Hong Kong, China
2. School of Electrical and Electronic Engineering, Nanyang Technological University, Singapore 639798, Singapore

Message from the Editor-in-Chief

You are invited to contribute research articles or comprehensive reviews for consideration and publication in *Micromachines* (ISSN 2072-666X). *Micromachines* is published in the open access format. Research articles, reviews and other contents are released on the internet immediately after acceptance. The scientific community and the general public have unlimited free access to the content as soon as it is published. As an open access journal, *Micromachines* is supported by the authors or their institutes by payment of article processing charges (APC) for accepted papers. We are pleased to welcome you as our authors.

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, PMC, Ei Compendex, dblp, and other databases.

Journal Rank: JCR - Q2 (*Physics, Applied*) / CiteScore - Q2 (*Mechanical Engineering*)

Contact Us

Micromachines Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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

mdpi.com/journal/micromachines
micromachines@mdpi.com
[X@micromach_mdpi](https://twitter.com/micromach_mdpi)