# Special Issue

# Emerging Topics in Integrated Microwave Photonics

### Message from the Guest Editors

Microwave photonic integration is devoted to the research and development of core optical chips and integrated modules for the generation, transmission, processing, and measurement of broadband microwave photonic signals. Microwave photonic integration is the hardware foundation and core technology of the next-generation broadband wireless access network, radar, and electronic countermeasure systems. Original research articles and comments are welcome. The research fields may include (but are not limited to) the following:

- High-performance III-V family semiconductor optoelectronic integrated devices;
- Optical–electronic hybrid integration technology based on new materials;
- Design and process platform for photoelectronic integrated chips;
- Packaging and testing technology for photoelectronic integrated chips;
- Optical computing and application of quantum information;
- Lidar and sensing applications;
- Data center optical interconnect applications;
- Smart photoelectric application system;
- Memory-computing integrated chip;
- Other interdisciplinary research directions and emerging application technologies.

### Guest Editors

Dr. Yongsheng Gao

School of Electronics and Information, Northwestern Polytechnical University (NPU), 127 West Youyi Road, Beilin District, Xi'an 710072, China

Dr. Gaojian Liu

Xi'an Institute of Space Radio Technology, No. 504 Chang'an Eastern Street, Xi'an 710100, China

### Deadline for manuscript submissions

closed (30 November 2023)

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

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Prof. Dr. Nelson Tansu
School of Electrical and Electronic Engineering (EEE), The University of Adelaide, Adelaide, SA 5005, Australia

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