

Announcing a Special Issue of the
IEEE/Optica Publishing Group
Journal of Lightwave Technology on:

MICROWAVE PHOTONICS

This JLT special issue will take place for the top conference, "2023 IEEE International Topical Meeting on Microwave Photonics" (MWP'2023, <http://www.mwp2023.org/>) in this field, held on 15-18 October, Nanjing, China. It is open to all kinds of presentations (extended versions of plenary, invited, oral talks, and posters) in MWP'2023, as well as other submissions (not presented in MWP'2023) in the field of microwave photonics.

Microwave photonics is concerned with the use of photonic devices, systems, and techniques for applications in microwave, millimeter, and THz wave engineering, and encompasses the development of high-speed photonic components. The field is experiencing a healthy period of growth, driven by the recent interest in integrated microwave photonics and the development of microwave/millimeter-wave photonics for B5G/6G applications. The scope of this special issue includes, but is not limited to, the following:

- RoF for B5G/6G mobile data and terrestrial communication systems
- Integrated microwave photonics
- Advanced signal processing techniques
- Applications of MWP in aerospace and space systems
- Photonic microwave processing, sensing, and measurements
- THz device technology and system applications
- Optical wireless transmission systems and applications
- High-speed photomixers and optoelectronic converters
- Novel device technologies for emerging systems
- High-speed MWP signal sources
- Innovative applications of microwave photonics (astronomy, traffic and automotive, electronic warfare, radar, medicine, health care, etc.)

On behalf of the Guest Editors and the Editor-in-Chief, we encourage you to submit your work for inclusion in this special issue. Accepted papers will appear in the Sept/Oct 2024 hardcopy issue with accepted papers posted online within one week of author final file upload. Mandatory page charges of \$260.00 per page are enforced for original contributions more than 7 pages and more than 10 pages for invited papers. Tutorial presenters will be invited to write articles that are up to 16 pages in length. The same mandatory fees apply to each tutorial paper more than 16 pages.

Submissions by website only: <https://ieeeyonrex.com/journal/ieee-jlt>

Manuscript Type: "MWP 2024"

Submission questions: Doug Hargis, *Journal of Lightwave Technology* d.hargis@ieee.org

Guest Editors: **Shilong Pan**, Nanjing University of Aeronautics and Astronautics; **Jason McKinney**, Purdue University, USA; **Antonella Bogoni**, Scuola Superiore Sant'Anna & CNIT; **Jungwon Kim**, Korea Advanced Institute of Science and Technology

Submission Deadline: March 1, 2024
Publication: October 2024