

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

MICROWAVE PHOTONICS

This JLT special issue will take place for the top conference, "2024 IEEE International Topical Meeting on Microwave Photonics" (MWP'2024, <http://www.mwp2024.org/>) in this field, held on 17-20 September in Pisa, Italy. It is open to all kinds of presentations (extended versions of plenary, invited, oral talks, and posters) in MWP'2024, as well as other submissions (not presented in MWP'2024) 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 for microwave system applications. The field is continuing to experience significant growth, fuelled by the recent interest and development in integrated microwave photonics and microwave/millimeter-wave photonics for 5G/6G applications. Topics include (but are not limited to):

- RoF for 5G/6G mobile data and terrestrial communication systems
- Photonic Integrated circuits and microwave photonics
- Advanced signal processing techniques
- Applications of MWP in aerospace and space systems
- Microwave Photonics for classical and quantum 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
- Oscillators and frequency metrology

As Guest Editors and on behalf of 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 2025 hardcopy issue with accepted papers posted online in Early Access 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://iee.atyponrex.com/journal/ieee-jlt>

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