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

# MICROWAVE PHOTONICS

This special issue for the International Topical Meeting on Microwave Photonics 2022 (MWP 2022) will cover all topics in the field of microwave photonics. Microwave photonics is concerned with the use of photonic devices, systems, and techniques for applications in microwave, millimeter wave, and THz wave engineering. It also encompasses the development of high-speed photonic components for microwave system applications. The field is continuing to experience significant growth, fueled by recent interest and development in integrated microwave photonics and microwave/millimeter-wave photonics for 5G/6G applications and beyond.

Topics include (but are not limited to):

- Radio over fiber for 5G/6G and beyond
- Photonic integrated circuits
- Applications of MWP in aerospace and space systems
- Thin Film Lithium Niobate devices and integration technology
- Advanced signal processing techniques
- MWP sensing technology
- THz devices, circuits, and systems
- Optical wireless transmission systems and applications
- High-speed MWP signal sources
- High-speed photo-mixers and optoelectronic converters
- Emerging materials and device technology
- Time and frequency sources and transfer
- Quantum applications of MWP

A portion of this issue will feature expanded versions of accepted papers presented at the International Topical Meeting on Microwave Photonics 2022, held virtually from October 4-6, 2022.

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 2023 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 IEEE Author Portal website only: https://ieee.atyponrex.com/journal/ieee-jlt
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Guest Editors: **Charles Middleton**, Critical Frequency Design, USA; **José Capmany**, Universitat Politecnica de Valencia, Spain; **Thas Nirmalathas**, University of Melbourne, Australia; and **Stephen Ralph**, Georgia Institute of Technology, USA.

Submission Deadline: March 31, 2023
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