

Call for Papers

IEEE Photonics Technology Letters

Special issue on the 16th International Symposium on Measurement Technology and Intelligent Instruments (ISMTII 2025) and the 3rd International Conference of Optical Imaging and Measurement (ICOIM 2025)

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Scope and Topics

IEEE Photonics Technology Letters (PTL) will publish a Special Issue dedicated to presenting expanded versions of the outstanding papers from the 16th International Symposium on Measurement Technology and Intelligent Instruments (ISMTII 2025) and the 3rd International Conference of Optical Imaging and Measurement (ICOIM 2025), held from May 25-28, 2025, in Wuhan, China. ISMTII / ICOIM 2025 aims to provide a forum for world-class optical, nanometrology, precision metrology, and instrumentation experts to exchange ideas and inspire sparks. The four-day symposium will not only provide opportunities for established and early-career investigators to exchange cutting-edge techniques on measurement and instrumentation but also will bridge the gap between academia and industry by offering the opportunity to disclose the most challenging roadblocks in industry measurement and inspection. This symposium is a renowned meeting dedicated to the most recent challenges, trends, solutions, and innovations in optical imaging and measurement.

The topics of this Special Issue include but not limited to the following:

- 01 Micro and Nano Metrology
- 02 Quantum Sensing and Instruments
- 03 Metrology and Instruments for Integrated Circuits
- 04 In-process and Inline Metrology
- 05 Optical Metrology and Inspection
- 06 Surface Metrology
- 07 Material Characterization
- 08 Machine Learning and Signal Processing
- 09 Intelligent Instrument for Automation
- 10 Sensors and Actuators
- 11 Uncertainty, Traceability, and Calibration
- 12 Optical Imaging
- 13 Optical Technology, Application, and Precision Measurement
- 14 Optical Measurement
- 15 Photoelectric Device
- 16 Optoelectronics and Communication
- 17 Biomedical Optics
- 18 Optical Material

Submission Guidelines

Submissions will be reviewed in accordance with the normal procedures of the Journal and papers must be formatted according to the Information for Authors found at:

<https://ieeephotonics.org/publications/photronics-technology-letters/>

- Manuscript submissions should be made online at <https://iee.atyponrex.com/journal/ptl-ieee>
- Select the paper type “**Special Issue on ISMTII / ICOIM 2025.**”

Important Dates

Open for Submissions: 1 June 2025

Submission Deadline: 1 August 2025

Tentative Publication: October 2025

EARLY ACCESS: *DOI-citable articles will be published online after acceptance upon submission of final files and rights selection – sometimes well in advance of issue publication.*

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