
Call for Papers
Photonics Journal
Special issue on POEM 2025

Guest Editors

Jinwei Zeng, Huazhong University of Science & Technology, zengjinwei@hust.edu.cn

Jun Liu, Huazhong University of Science & Technology, jun_liu@hust.edu.cn

Scope and Topics

We are pleased to announce that the *IEEE Photonics Journal* (PJ) invites submissions to a Special Issue highlighting advances across the wide landscape of photonics and optoelectronics, inspired by the latest developments presented at the 16th International Photonics and Optoelectronics Meeting (POEM 2025), held in Wuhan, China.

Founded in 2008, POEM is a premier annual conference that brings together leading researchers and engineers to discuss breakthroughs in photonic science and technologies across fundamental, applied, and translational domains. The conference covers a wide range of topics that reflect the dynamic scope of modern photonics—many of which align closely with the Photonics Journal editorial vision. This Special Issue seeks to extend the scientific impact of POEM by publishing high-quality, peer-reviewed papers that capture both the depth and breadth of current advances presented at the meeting and beyond.

We welcome original research articles, reviews, and perspectives on all areas of photonics, including—but not limited to—the following topical themes:

- **Micro- and Nano-Photonics:** metasurfaces, nearfield optics, integrated nanophotonics, 2D materials
- **Photonics for Energy:** perovskite materials, photovoltaics, light harvesting systems
- **Optoelectronic Devices and Integration:** photonic computing, PICs, optical interconnects
- **Laser Science and Technology:** ultrafast lasers, nonlinear optics, laser manufacturing
- **Biomedical Photonics:** super-resolution imaging, biophotonics, optical diagnostics
- **Quantum & Precision Metrology:** integrated quantum optics, sensing, optomechanics
- **Emerging Platforms:** thin-film lithium niobate, microwave photonics, neuromorphic optics

This Special Issue seeks contributions that demonstrate technical excellence, originality, and relevance to both foundational science and next-generation applications.

Submission Guidelines

This is an open-call Special Issue—submission is not limited to POEM 2025 participants; contributions from all researchers in relevant fields are warmly welcomed.

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/photonics-journal/>

- Select the paper type “**Special Issue on POEM 2025.**”
- Select technical topic “**06 – Focus Issue.**”

Important Dates

Open for Submissions: 2025-06-15

Submission Extended Deadline: 2026-02-28

Tentative Publication: Summer 2026

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.*

For further information, contact the PJ Editorial Office:

Yvette Charles, Journal Administrator

Email: y.charles@ieee.org