# Special Issue

# Integrated Optical Waveguide Gyro

### Message from the Guest Editors

Integrated optical waveguide gyroscopes integrate an angular velocity sensitive unit, modulator, light source, detector and other optical devices on a single substrate through integrated optics and integrated optoelectronics technology. This is a multidisciplinary field combining optics, electricity and physics. Integrated optical waveguide gyroscopes combine the advantages of optical gyroscopes and microelectronic technology, which is of great significance in realizing miniaturization, low cost, low power consumption and large-scale production. This gyroscope can meet the requirements of an unmanned intelligent system for miniaturization and high-precision autonomous navigation. This Special Issue on “Integrated Optical Waveguide Gyro” will welcome basic, methodological and applied cutting-edge regular and review papers, dealing with:

- Optical waveguide resonator chip for integrated optical gyroscopes;
- Lithium niobate thin film modulator;
- Heterogeneous integration;
- Back-reflection/back-scattered noise suppression;
- Signal detection and closed-loop control.

### Guest Editors

Dr. Hui Li

Dr. Wenyao Liu

Prof. Dr. Sheng Liang

### Deadline for manuscript submissions

closed (30 November 2023)


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## Message from the Editor-in-Chief

You are invited to contribute a research article or a comprehensive review for consideration and publication in *Photonics* (ISSN 2304-6732). *Photonics* is an online open access journal covering both the fundamental and applications of optics and photonics. *Photonics* strives to provide an avenue to allow authors to disseminate their scientific findings—both theoretical/ simulations and experimental works—in highly accessible peer-reviewed journal publications. The manuscript in *Photonics* will be handled with quick turnaround production processing time. We welcome authors to submit their manuscripts for publications in *Photonics*. Our goal in *Photonics* is to enable fast dissemination of high impact works to the scientific community.

## Editor-in-Chief

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