

## Special Issue

# Sensors and Sensing Technologies for Precision Optical Measurement and Metrology

### Message from the Guest Editors

Recently, sensors and sensing technologies for precision optical measurement and metrology have shown great significance in precision instruments and equipment, high-end equipment manufacturing, aerospace engineering, and more. This field involves the intersection and integration of multiple disciplines, such as physics, optics, mechanics, information, and materials. It is highly precise and efficient, and demonstrates high resolution and strong performance. Therefore, it has become a research hotspot in many fields globally, and new research results are constantly emerging in basic theories, innovative methods and technologies, new instruments and equipment, and applications. This Special Issue, therefore, aims to bring together original research and review articles on recent advances, technologies, solutions, applications, and challenges in the field of precision optical measurement technologies.

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### Guest Editors

Dr. Xinghui Li

Dr. Guochao Wang

Dr. Yueqiang Zhang

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### Deadline for manuscript submissions

31 August 2025



## Sensors

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### Message from the Editor-in-Chief

*Sensors* is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. Sensors organizes Special Issues devoted to specific sensing areas and applications each year.

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### Editor-in-Chief

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