# Special Issue

# Applications of Laser Sensors for Precision Measurements

## Message from the Guest Editor

The rapid advancement of laser sensor technology has revolutionized the way we measure distance, time, object size, and speed across various industries. As the demand for precise and efficient measurement solutions grows in sectors such as manufacturing, robotics, and the automotive industry, the need to explore and enhance the capabilities of laser sensors has become increasingly crucial. Laser diodes are preferred for these sensors due to their high precision, quick response times, and ability to operate effectively over long distances. This Special Issue focuses on all types of laser sensors based on laser diodes for measuring distance, time, object size, and speed.

## Guest Editor

Prof. Dr. Xinxiu Zhou
School of Instrumentation and Optoelectronic Engineering, Beihang University, Beijing 100191, China

## Deadline for manuscript submissions

10 August 2025

**Sensors**

**an Open Access Journal by MDPI**

**Impact Factor 3.5**
**CiteScore 8.2**
**Indexed in PubMed**

mdpi.com/si/223453

*Sensors*
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
sensors@mdpi.com

mdpi.com/journal/sensors

# Sensors

an Open Access Journal by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed

mdpi.com/journal/sensors

MDPI

# About the Journal

## 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.

## Editor-in-Chief

Prof. Dr. Vittorio M. N. Passaro
Dipartimento di Ingegneria Elettrica e dell'Informazione (Department of Electrical and Information Engineering), Politecnico di Bari, Via Edoardo Orabona n. 4, 70125 Bari, Italy

## Author Benefits

**Open Access:**

free for readers, with article processing charges (APC) paid by authors or their institutions.

**High Visibility:**

indexed within Scopus, SCIE (Web of Science), PubMed, MEDLINE, PMC, Ei Compendex, Inspec, Astrophysics Data System, and other databases.

**Journal Rank:**

JCR - Q2 (Instruments and Instrumentation) / CiteScore - Q1 (Instrumentation)