

## Special Issue

# Optical Sensors for Flow Diagnostics

### Message from the Guest Editors

The purpose of this Special Issue is to contribute to the state-of-the-art by introducing the latest developments in optical pressure (oxygen) and temperature imaging sensors based on the photochemical reaction and their applications. This Special Issue welcomes submissions of original research, novel developments, and experimental studies on optical sensors and their application in optical sensing of thermofluid dynamics. We invite submissions on a wide range of smart sensing research, including but not limited to:

- Pressure-sensitive paint (PSP);
- Temperature-sensitive paint (TSP);
- Pressure (oxygen) sensor;
- Thermal sensor;
- Luminescence;
- Photochemical sensor;
- Thermofluid dynamics;
- Unsteady measurement;
- High-speed imaging.

---

### Guest Editors

Prof. Dr. Yasuhiro Egami

Prof. Dr. Hiroki Nagai

Dr. Yu Matsuda

---

### Deadline for manuscript submissions

closed (20 July 2022)



## Sensors

---

an Open Access Journal  
by MDPI

---

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



[mdpi.com/si/54498](https://mdpi.com/si/54498)

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

[mdpi.com/journal/  
sensors](https://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](https://mdpi.com/journal/sensors)



## 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)