



sensors



an Open Access Journal by MDPI

Precise Fiber Optic Sensors for Industrial, Environmental and Health Monitoring

Guest Editors:

Prof. Dr. Chii-Ruey Lin

Department of Mechanical Engineering, National Taipei University of Technology, Taipei 106, Taiwan

Prof. Dr. Mu-Chun Wang

Department of Electronic Engineering, MingHsin University of Science and Technology, Hsinchu 304, Taiwan

Deadline for manuscript submissions:

closed (20 November 2022)

Message from the Guest Editors

Advances in bio, medicine, science, and industry in measurement or system integration are mandatory to develop the precise sensing capability for the minimal level of tested species. In terms of sensors, besides the sensing sensitivity and accuracy, the undisturbed function to the device-under-test is essential. The fiber-optic (FO) sensor technology meets these high expectations. Due to the desire to shrink the amount, size, or space of tested samples in each sensing field, the novel sensing theory, fabrication technologies, and characteristic extraction in FO sensors are demonstrated. Each FO sensing part is important to impact the sensing precision and incorporation. Through contributors' efforts, the pertinent achievements of FO sensors in the development of sensing systems beneficial to the human beings are tremendous.

The upcoming Special Issue will offer a platform for research on all types of FO sensors designed for sensing precise parameters or system integration, trends in the applications of FO sensors, and discussion on the future directions for sensing metro.



mdpi.com/si/96998

Special Issue



sensors



an Open Access Journal by MDPI

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

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.

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 (*Chemistry, Analytical*) / CiteScore - Q1 (Instrumentation)

Contact Us

Sensors Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/sensors
sensors@mdpi.com
[X@Sensors_MDPI](#)