

## Special Issue

# Advanced Fiber Optic Gyroscopes

### Message from the Guest Editor

Fiber-optic gyroscopes (FOGs) are key instruments for rotation measurement in the field of inertial technology. Although they have been under development for more than 40 years, it is still a fascinating research area. The research in the field is focused on further suppressing the drift and noise caused by temperature and its variation, and on improving the performance of interferometric FOG. As resonant fiber-optic gyroscopes have unique advantages, breakthroughs in technical scheme, fiber material and detection technology are urgently required. This Special Issue therefore aims to gather original research and review articles on recent advances, technologies, solutions, applications, and new challenges in the field of FOG. For more details, please visit [here](#).

### Guest Editor

Prof. Dr. Yuanhong Yang

School of Instrumentation and Optoelectronic Engineering, Beihang University, Beijing 100191, China

### Deadline for manuscript submissions

closed (15 March 2023)



## Sensors

an Open Access Journal  
by MDPI

Impact Factor 3.5  
CiteScore 8.2  
Indexed in PubMed



[mdpi.com/si/134933](https://mdpi.com/si/134933)

*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)