



*sensors*



an Open Access Journal by MDPI

## **Sensors in Automatic Control Systems: the XV International Scientific and Technical Conference "Actual Problems Of Electronic Instrument Engineering" APEIE-2021**

Guest Editor:

**Dr. Vadim Zhmud**

Department of Automation,  
Novosibirsk State Technical  
University, 630073 Novosibirsk,  
Russia

zhmud@corp.nstu.ru

Deadline for manuscript  
submissions:

**closed (30 April 2022)**

### **Message from the Guest Editor**

Dear Colleagues,

Sensors in automation and robotic devices are very important. Their speed, accuracy, and measurement range in an essential part determine the characteristics of the entire automation device or robotics as a whole. The development of methods and measuring instruments for this reason determine the progress in this direction of technology. Such sensors should have the highest possible response speed and high accuracy, reliability, reproducibility of their characteristics, low noise, and displacement. The scientific exchange of information on the latest advances in high-speed sensors and their applications is extremely relevant. Of interest are reports on the expansion of the scope of sensors and on methods for improving them, as well as on technologies for creating new sensors, methods of their certification, calibration, and so on.

For more information, please visit: [mdpi.com/si/94285](https://mdpi.com/si/94285)

Dr. Vadim Zhmud

*Guest Editor*



[mdpi.com/si/94285](https://mdpi.com/si/94285)

**Special** Issue



*sensors*



an Open Access Journal by MDPI

## Editor-in-Chief

### **Prof. Dr. Vittorio 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](#), [Embase](#), [Ei Compendex](#), [Inspec](#), [Astrophysics Data System](#), and [other databases](#).

**Journal Rank**: [JCR - Q2 \(Instruments & Instrumentation\)](#) / [CiteScore - Q1 \(Instrumentation\)](#)

## Contact Us

---

*Sensors*  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/sensors](http://mdpi.com/journal/sensors)  
[sensors@mdpi.com](mailto:sensors@mdpi.com)  
[@Sensors\\_MDPI](https://twitter.com/Sensors_MDPI)