



*sensors*



an Open Access Journal by MDPI

## Sensors and Robot Control

Guest Editors:

**Prof. Dr. Radu-Emil Precup**

Department of Automation and Applied Informatics, Faculty of Automation and Computers, Politehnica University of Timișoara, Bulevardul Vasile Pârvan, Nr. 2, 300223 Timișoara, Romania

**Prof. Dr. Sašo Blažič**

Laboratory of Control Systems and Cybernetics, Faculty of Electrical Engineering, University of Ljubljana, Tržaška 25, 1000 Ljubljana, Slovenia

Deadline for manuscript submissions:

**closed (31 December 2020)**

### Message from the Guest Editors

Dear Colleagues,

Since the robot sensor is a key component of the robot, the last decade has led to a serious step forward regarding the development of robot sensors for robot control, autonomous robots, robot perception, and human–robot interaction. Robot sensor design and analysis continues to be a challenging task, which is also related to other hot topics such as sensor materials, structure design, manufacturing processes and so on.

The research on robot control covers a wide range of applications, including mechanical systems, industrial robots, autonomous systems, medical and rehabilitation robotics. For these applications, the dynamic environments are usually changing, and the control systems should adapt themselves accordingly. Therefore, by employing intelligent approaches, advanced control systems have been developed. With this regard, more efforts should be focused on the methodology of learning systems.

This SI is to share latest theoretical and technological results and discuss several issues for the research directions in the field of advanced sensors and robot control systems.

Prof. Dr. Radu-Emil Precup

Prof. Dr. Sašo Blažič

*Guest Editors*



[mdpi.com/si/26618](https://mdpi.com/si/26618)

**Special** Issue



*sensors*



an Open Access Journal by MDPI

## Editor-in-Chief

### **Prof. Dr. Vittorio M. N. Passaro**

Department of Electrical and  
Information Engineering,  
Politecnico di Bari, Via Orabona  
4, 70126 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 (Instruments and Instrumentation) / CiteScore - Q1 (Instrumentation)

## Contact Us

---

*Sensors* Editorial Office  
MDPI, Grosspeteranlage 5  
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)  
[X@Sensors\\_MDPI](#)