



*sensors*



an Open Access Journal by MDPI

## AI Based Autonomous Robots

Guest Editor:

**Dr. Jesus Martínez-Gómez**

Computer Systems Department,  
University of Castilla-La Mancha,  
Campus Universitario s/n, 02071  
Albacete, Spain

Deadline for manuscript  
submissions:

**closed (20 August 2022)**

### Message from the Guest Editor

Dear Colleagues,

The development of autonomous robots requires proper management of the input data to make the right decision. The data must be processed to extract and store relevant information so that the robot can perform autonomous actions based on the acquired knowledge. There are different topics to be addressed like planning, localization, navigation, mapping or multimodal interaction, and in the recent years, some of the most promising proposals rely on the use of last artificial intelligence technologies. The Special Issue on AI based Autonomous Robots encourages researchers to present proposals related to robotics from an artificial intelligence perspective. Concretely, we are looking for solutions providing mobile robots the capabilities to behave in an autonomous manner.

Dr. Jesus Martínez-Gómez  
*Guest Editor*



[mdpi.com/si/110973](https://mdpi.com/si/110973)

**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](http://www.mdpi.com)

[mdpi.com/journal/sensors](http://mdpi.com/journal/sensors)  
[sensors@mdpi.com](mailto:sensors@mdpi.com)  
[X@Sensors\\_MDPI](#)