Special Issue

Intelligent Robots: Control and Sensing

Message from the Guest Editor

The control of today's intelligent robots is both complex and challenging, and depends on the effective sensing of the environment. The sensing of the environment—acquiring the information of the environment using sensors—is essential to control, so as to enable corresponding actions to be made. Robot control and sensing are highly interactive processes, playing an increasingly significant role in the development of intelligent robots, amid progress in artificial intelligence. This Special Issue will be dedicated to new ideas and research in the broad field of robot sensing and control, and their practical applications. This Special Issue will publish high-quality, original research papers including, but not limited to, the following topics:

- Robot perception;
- Robotic sensing;
- Robot control;
- Applied machine learning for robotic systems;
- Swarm robot control.

Guest Editor

Dr. Ting Zou

Department of Mechanical and Mechatronics Engineering, Memorial University of Newfoundland, St. John's, NL A1B 3X5, Canada

Deadline for manuscript submissions

20 April 2026

Sensors

an Open Access Journal by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed

mdpi.com/si/222899

Sensors
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
sensors@mdpi.com

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

MDPI

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)