

Topical Collection

Survey on Research of Sensors and Robot Control

Message from the Collection Editors

Today, robots not only work in structured, well-known environments to perform repetitive tasks precisely and accurately. The digital transformation of industry allows the continuous adjustment and reaction to unforeseen disturbing events of production systems through digital twin and similar technologies, and requires the intelligent sensorization of robots and resources for remote monitoring. Besides, robots are increasingly playing a role in our daily life and in civil society. In new industrial and service applications, robots have to become familiar with and interact with the environments. These applications require the heavy use of exteroceptive sensors and perceptive skills to recognize the environment and guide interaction activities, safeguarding the sustainability of the environment and human health. The aim of this Special Issue is to collect experimental and theoretical papers covering different aspects and modalities of sensing applications in the wide industrial and service robotics domain. For detailed information, please visit [here](#).

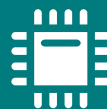
Collection Editors

Prof. Dr. Rezia Molfino

PMAR Group, Department of Mechanics and Machine Design,
University of Genova, Via all'Opera 15A, 16145 Genova, Italy

Dr. Francesco Cepolina

PMAR Group, Department of Mechanics and Machine Design,
University of Genova, Via all'Opera 15A, 16145 Genova, Italy



Sensors

an Open Access Journal
by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed



mdpi.com/si/74969

Sensors
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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)