

Special Issue

Sensors Technology for Medical Robotics

Message from the Guest Editor

Sensor technologies are present along the entire wide range of medical robot applications, which mainly include surgery, rehabilitation, therapeutics treatments, as well as prosthesis and orthosis. The common challenge is defined as moving to a close human–robot interaction in such a way that these applications are following the concept of Industry 4.0. The concept of co-worker robots in the medical field has been coined, which also includes the use of both medical smart tools as well as support interfaces in a safe framework. New sensor technologies will provide these kinds of robots with the ability to be integrated in the cyberphysics system of the medical environment. This means the development of robotic systems able to communicate with other smart devices or humans, fault tolerance control, and medical procedure supervision. Therefore, this Special Issue, devoted to sensor technology for medical robots, seeks current research and actual applications that represent a step forward in this field. For more information, please click: mdpi.com/si/51832.

Guest Editor

Prof. Dr. Víctor Fernando Muñoz Martínez

Ingeniería de Sistemas y Automática, University of Malaga, 29016 Málaga, Spain

Deadline for manuscript submissions

closed (20 September 2022)



Sensors

an Open Access Journal
by MDPI

Impact Factor 3.4
CiteScore 7.3
Indexed in PubMed



mdpi.com/si/51832

Sensors

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 3.4
CiteScore 7.3
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 (Chemistry, Analytical) / CiteScore - Q1 (Instrumentation)