

Special Issue

Soft Sensors, Actuators and Sensing Technology for Medical Applications

Message from the Guest Editor

Soft robotics has been rising up as an emerging field in healthcare systems where highly compliant materials and structures are used to build soft, elastic, deformable systems that go beyond traditional rigid approaches.

Soft sensor and actuator technologies are opening new possibilities to a wide range of applications in surgical robots, medical devices, haptics, defence, industry, entertainment, and education. Despite these advances, there are still major technical challenges for the design, fabrication, and modelling of soft sensor and actuator technologies that prevent them from being directly used in practice. The main purpose of this Special Issue is to solicit excellent works from experts in the field to solve the existing challenges of soft sensors, soft actuators, and their related sensing technologies towards the development of “softer and smarter” robotic systems for medical systems. For detailed information, please visit [here](#).

Guest Editor

Dr. Thanh Nho Do

Graduate School of Biomedical Engineering, University of New South Wales, Sydney, NSW 2052, Australia

Deadline for manuscript submissions

closed (15 November 2022)



Sensors

an Open Access Journal
by MDPI

Impact Factor 3.4
CiteScore 8.2
Indexed in PubMed



mdpi.com/si/94082

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