

Special Issue

State-of-the Art in Sensing for Biomedical Robots in the Field of Urology

Message from the Guest Editors

In recent years, we have witnessed a growing interest in and application of robotic surgical platforms in the field of urology, which has led to shorter operation and recovery times, reduced pain, and superior overall surgical and cosmetic outcomes. Since the earliest application of the PROBOT for the treatment of benign prostatic obstruction (at the Imperial College of London in 1989), many other robots were launched on the market and revolutionary advancements were observed. After two decades of a monopoly, many different surgical platforms are now available today, but their defining characteristics were never described in depth and robot-specific outcomes have not been published yet. This Special Issue aims to offer a comprehensive overview of recent advances, technologies, solutions, applications, and challenges concerning the new surgical robots, their sensors, and their applications in urology.

Guest Editors

Dr. Giuseppe Simone

Dr. Aldo Brassetti

Dr. Riccardo Mastroianni

Deadline for manuscript submissions

closed (25 May 2023)



Sensors

an Open Access Journal
by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed



mdpi.com/si/141602

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)