



sensors



an Open Access Journal by MDPI

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

Guest Editors:

Dr. Giuseppe Simone

Department of Urology, IRCCS
“Regina Elena” National Cancer
Institute, Via Elio Chianesi 53,
00144 Rome, Italy

Dr. Aldo Brassetti

Department of Urology, IRCCS
“Regina Elena” Institute, 00128
Rome, Italy

Dr. Riccardo Mastroianni

Department of Urology, IRCCS
“Regina Elena” National Cancer
Institute, Via Elio Chianesi 53,
00144 Rome, Italy

Deadline for manuscript
submissions:

closed (25 May 2023)

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.



mdpi.com/si/141602

Special Issue



sensors



an Open Access Journal by MDPI

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

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.

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 & Instrumentation*) / CiteScore - Q1 (*Instrumentation*)

Contact Us

Sensors Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/sensors
sensors@mdpi.com
[X@Sensors_MDPI](#)