

## Special Issue

# Sensing Technologies in Medical Robot

### Message from the Guest Editor

Medical robotics, integrating the advantages of the technological strengths of robotics and information sciences, have become the promising technique in surgeries and rehabilitation applications. In recent years, there has been a strong interest in the development and application of sensing technologies for medical robots, which offer new opportunities for non-invasive diagnosis, monitoring, and treatment in healthcare. With advances in hardware systems and sensing technology, medical robots have become a powerful tool for surgeons to detect and treat human diseases. This Special Issue aims to discuss the latest advances, applications, and challenges in the field of sensing technologies for medical robots. Topics of interest for this Special Issue include, but are not limited to:

- Surgical robot;
- Wearable robot;
- Rehabilitation robot;
- Magnetic drive Robot;
- Human–robot interaction
- Haptic sensing and feedback;
- Robot sensor and vision;
- Intelligent sensing;
- Emerging sensor technology;
- Sensor fusion.

### Guest Editor

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### Deadline for manuscript submissions

closed (30 July 2024)



## Sensors

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### 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.

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### Editor-in-Chief

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