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Sensing Technologies in Medical Robot

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Deadline for manuscript submissions:
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Message from the Guest Editor

Dear Colleagues,

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.

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Message from the Editor-in-Chief

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