Sensors Technology for Medical Robotics

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

Sensor technologies are present along the entire wide range of medical robot applications, which mainly include surgery, rehabilitation, therapeutics treatments, as well as prothesis and orthosis. The common challenge is defined as moving to a close human–robot interaction in such a way that these applications are following the concept of Industry 4.0. The concept of co-worker robots in the medical field has been coined, which also includes the use of both medical smart tools as well as support interfaces in a safe framework. New sensor technologies will provide these kinds of robots with the ability to be integrated in the cyberphysics system of the medical environment. This means the development of robotic systems able to communicate with other smart devices or humans, fault tolerance control, and medical procedure supervision. Therefore, this Special Issue, devoted to sensor technology for medical robots, seeks current research and actual applications that represent a step forward in this field.

For more information, please clink: mdpi.com/si/51832.

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Special Issue

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Message from the Editor-in-Chief

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