

Special Issue

Medical Robots: Safety, Performance and Improvement

Message from the Guest Editors

With rapid advancements in science and technology and the growing demand for medical services, medical robotics has emerged as a prominent research focus and developmental trend in the healthcare sector. They play a pivotal role in enhancing surgical precision, reducing the risks associated with invasive procedures, and improving overall surgical efficiency. However, the safety, performance, and enhancement of medical robots pose significant challenges that require immediate attention and ongoing research efforts. The aim of this Special Issue is to delve into the latest research discoveries and emerging trends concerning safety, performance, and enhancements in medical robots. In particular, we aim to explore the novel opportunities and challenges presented by artificial intelligence algorithms, sensor technologies, and control strategies for medical robots, and so on, with the ultimate goal of advancing and facilitating the applications of medical robotics. We look forward to receiving your contributions.

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Electronics is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guest-edited by leading experts in selected topics of interest.

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