

Special Issue

Medical and Rehabilitation Robots

Message from the Guest Editors

Dear colleagues, In the field of medical robotics, relevant advances have been made and new robotic medical applications will continue to emerge. One can mention several design approaches and methodologies proposed by researchers leading to the implementation of innovative robots dedicated to robotic applications in medicine. For instance, rehabilitation has become an essential phase in the care of most patients with disabilities. These disabilities can be congenital or acquired, lasting or temporary, caused by accident or even following surgery to treat motor disorders of the limbs. Furthermore, assistive robotics could help in defining suitable mechanisms for these rehabilitation tasks, in particular the use of parallel robots due to their advantages for medical applications, namely their accuracy and dynamic performance. This Special Issue aims to attract cutting-edge research and review articles on parallel robots, specifically medical robots, regarding the aspects of synthesis, design, analysis, and control.

Guest Editors

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About the Journal

Message from the Editor-in-Chief

It is my great pleasure to welcome you to our open access journal, *Robotics*, which is dedicated to both the foundations of artificial intelligence, bio-mechanics and mechatronics, and the real-world applications of robotic perception, cognition and actions. The 21st century is the robotics century and intelligent robots will change our lifestyle forever. Let us work together toward the realization of intelligent robots step by step. It is great fun to create intelligent robots and imagine their practical applications. *Robotics* is now ready to serve you in the long journey towards such a goal.

Editor-in-Chief

Prof. Dr. Marco Ceccarelli

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