Special Issue

Advanced Technologies for Autonomous Surgical Robotics

Message from the Guest Editors

Dear Colleague, The goal of this Special Issue is to collect papers about the latest advancements in the use of robotics and AI to increase the level of autonomy in robotic surgical operations. This is intended to provide an overview of the most innovative techniques in the field of AI and their validation with experimental data. The main focus is on the use of robotics and AI technologies for the assistance and support of medical operators in the fields of surgery, endoscopy, and broader clinical practice. Of particular interest are papers in which surgical robotic systems combine AI with assistive methodologies or autonomous behaviors. Relevant to this special issue are also contributions that explore acceptability and acceptance of AI-enabled surgical robots, as well as other aspects such as ethics, perceptions, human factors, or exploration of suitable surgical outcome measures.

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

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