

## Special Issue

# Surgical Robotics Design and Clinical Applications

### Message from the Guest Editors

Our Special Issue aims to focus on the subjects of the design and clinical application of surgical robotics, providing a comprehensive and deep understanding of how these systems are developed and run for academia, interdisciplinary researchers, and practitioners. Given the above, this Special Issue is directed at any aspects discussing specific engineering breakthroughs that have occurred in surgical robotics and specific surgical applications of robotics that have already been deployed in operating rooms. Topics may include, but are not limited to, the following:

- Surgical Robotics Design and Integration;
- Design and application of Image Guidance System for Surgical Robotics;
- Surgical Robot Vision and AI;
- New Haptic Sensors in Surgery Robotics;
- Virtual Reality and Surgical Procedure Training;
- Tele-surgery or Tele-operation in Surgical Robotics;
- Novel Robotic or Automate Surgical Instrument;
- Specific surgical applications of robotics that have already been deployed in operating rooms.

---

### Guest Editors

Dr. Cai Meng

Dr. Xiaoliang Xie

Dr. Haiyuan Li

Dr. Changsheng Li

---

### Deadline for manuscript submissions

closed (20 March 2026)



## Applied Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 5.5



[mdpi.com/si/154043](https://mdpi.com/si/154043)

*Applied Sciences*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[applsci@mdpi.com](mailto:applsci@mdpi.com)

[mdpi.com/journal/](https://mdpi.com/journal/)

[applsci](https://mdpi.com/journal/applsci)





# Applied Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 5.5



[mdpi.com/journal/  
applsci](https://mdpi.com/journal/applsci)



## About the Journal

### Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

---

### Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo  
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32,  
20133 Milano, Italy

---

### Author Benefits

#### Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

#### High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, Inspec, Embase, CAPIus / SciFinder, and other databases.

#### Journal Rank:

JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering )