



## Advancements in Actuation, Sensing, and Control Schemes for Intelligent Medical Robotics

Guest Editors:

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Deadline for manuscript  
submissions:

**closed (20 May 2022)**

### Message from the Guest Editors

Dear Colleagues,

Robot-assisted surgeries have become a natural progression for standard surgical procedures and are a widely-discussed topic in today's healthcare and medical fields. This forthcoming Special Issue will include high-quality publications spanning (but not limited to) the following topics pertinent to medical robotics:

robotic mechanical design;  
image-guided robot-assisted surgery;  
actuator design;  
kinematic/dynamic modeling;  
data-driven/learning-based control;  
control with cyber-physical systems in the operating room;  
sensing techniques and/or fusion;  
AR in interventional operations and/or medical skill training;  
intuitive human–robot control interface;  
evaluation of robotic systems for medical applications.

Both theoretical and practical contributions are welcome. If you have suggestions that you would like to discuss beforehand, please feel free to contact us. We look forward to and welcome your participation in this Special Issue.

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# Special Issue