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# **Robots in Healthcare: Design, Control and Applications**

Guest Editor:

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Deadline for manuscript submissions:

closed (15 November 2023)

## **Message from the Guest Editor**

Dear Colleagues,

The future trends in robotics technology, the increasing number of patients (due to stroke, surgery, etc.), and the need to serve more patients mean that medical robots must operate more flexibly and in customizable configurations. For example, an upper limb rehabilitative robot is expected to perform endpoint and joint-based exercises as patients go through different recovery stages.

New methods are required for the maneuvering of robots, operation optimization, performance monitoring, and risk minimization. In addition, sophisticated control algorithms using AI and machine learning need to be deployed in robot control to perform more intelligent operations.

This Special Issue aims to gather cutting-edge research contributions from the entire field of healthcare robotics, including orthotics and prosthetics for upper limbs, lower limbs, and the full body for rehabilitation, surgery robots, mobile robots, service robots, and assistive robots.











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## **Editor-in-Chief**

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## Message from the Editor-in-Chief

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