Special Issue

Advances in Sensing and Robotic Assistive Technologies in Rehabilitation

Message from the Guest Editor

The integration of cutting-edge sensor technologies with robotic assistive devices holds immense promise regarding enhancements in the effectiveness and efficiency of rehabilitation programs across various healthcare settings. This Special Issue aims to explore the latest developments and innovations in sensing and robotic assistive technologies in rehabilitation, and will elucidate the transformative impact of these technologies on patient care and its outcomes. This Special Issue invites researchers to present original work on the following topics:

- Novel sensing technologies for the monitoring and assessment of rehabilitation progress;
- Robotic assistive devices for physical rehabilitation and mobility enhancement;
- Human–robot interaction in rehabilitation settings;
- Wearable sensors and smart devices for at-home rehabilitation;
- The integration of artificial intelligence and machine learning in sensing and robotic rehabilitation technologies;
- Wearable sensors for patient telemonitoring and assessment;
- Clinical applications and case studies showcasing the efficacy of sensing and robotic assistive technologies in rehabilitation.
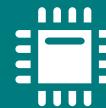
Guest Editor

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Deadline for manuscript submissions

25 June 2026

Sensors

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Message from the Editor-in-Chief

Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. Sensors organizes Special Issues devoted to specific sensing areas and applications each year.

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