Special Issue

Advanced Sensors in Biomechanics and Rehabilitation—2nd Edition

Message from the Guest Editor

This Special Issue is dedicated to unraveling the transformative role of sensor technologies in biomechanics and rehabilitation. In an era where precision and personalized care are paramount, these sophisticated tools significantly enhance our ability to understand human motion mechanics and develop effective therapeutic interventions. The adoption of sensors in biomechanical studies allows for detailed analyses of body posture, gait, muscle activation, and joint kinematics, leading to more accurate diagnoses and tailored treatments. Moreover, in rehabilitation, sensors facilitate the real-time tracking of patients' functional abilities, thus informing clinicians on the efficacy of therapeutic approaches and guiding necessary adjustments. Wearable sensors, for instance, can provide valuable insights into patients' daily activities, helping determine the effectiveness of prescribed exercises and further enhancing rehabilitation outcomes. This Special Issue aims to shed light on current research exploring the application of sensing technology in biomechanics and rehabilitation. We invite you to submit original research papers to the issue.

Guest Editor

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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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