Special Issue

Wearable Sensors for Rehabilitation and Physical Therapy

Message from the Guest Editor

In recent years, the evolution of wearable sensor technologies has catalysed significant advancements in tele-rehabilitation and physiotherapy practices. From innovative sensor designs to the integration of artificial intelligence and telehealth platforms, these developments are poised to revolutionise patient care by enhancing monitoring, assessment, and personalised treatment strategies. Innovations in wearable sensors aim to achieve in aspects like miniaturization, flexibility, and biocompatibility. Along with seamless integration with mobile and cloud-based platforms. The rise of machine learning and AI can play a pivotal role in enhancing patient engagement and long-term benefits in the development of wearable sensors and tele-rehabilitation. Data analytics and AI, leveraging machine learning for real-time sensor data analysis can provide predictive analytics to personalise therapy plans. On the bases of these predictions and intelligent data analysis, AI enabled interventions can be embedded into wearables devices under the prior approval of physicians.

Guest Editor

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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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