

Special Issue

Advanced Sensing Technologies for Tele-Assessment and Tele-Rehabilitation

Message from the Guest Editors

Recent advancements in sensing technologies, especially wearable technologies, have provided an unprecedented opportunity for tele-assessment and tele-rehabilitation. Sensing technologies such as motion trackers and physiological sensors, can measure (remotely) human movement and physiological signals, thus allowing us to predict a disease, objectively quantify the consequences of a disease, and finally deliver therapy. This is particularly important when we consider accessibility and affordability of these sensing technologies (e.g., smartwatches and smartphones). Additionally, combined with artificial intelligence, the large volume of data measured with these sensing technologies can answer questions, which was not possible before. Nevertheless, the application of sensing technologies is not limited to clinical settings, and they have been shown to be promising in many other settings such as sport engineering and ergonomics. Thus, this Special Issue aims to put together articles presenting recent advances, novel technologies and algorithms, technical and clinical applications, and finally challenges pertaining to sensing technologies for tele-assessment and tele-rehabilitation.

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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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