

Special Issue

Sensors for Recognition, Analysis, Assistance, and Training of Gait in Neurologic Disorders

Message from the Guest Editor

There are multiple sensors for walking recognition and analysis sensors, and new technical solutions are continually offered to clinicians. In the field of neurological rehabilitation, wearable devices that help to measure movement and give mechanical assistance or information to the patient for movement guidance are powerful therapeutic tools. Their assessment function allows motor disorders to be characterised, their causes to be identified, and their treatments to be targeted more effectively. In addition, some sensors could assist the movement (e.g., functional electrical stimulation, cueing, feedback, etc.), but also could be used as tools for the intensification of physical treatment, particularly for daily use at home, within the framework of self-rehabilitation in adjunction with the conventional treatment. This Special Issue will cover the methods used to characterize, assist, or train gait in people with neurological disorders.

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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