Special Issue

Sensors in Biomechanics, Neurophysiology and Neurorehabilitation

Message from the Guest Editors

Advances in biomechanics, neurophysiology, and neurorehabilitation increasingly rely on the development and application of novel sensing technologies. Patients with similar baseline impairments may follow remarkably different rehabilitation trajectories, underscoring the need for more objective, sensor-based approaches to monitoring, assessing, and guiding rehabilitation. By capturing real-time physiological and biomechanical data, sensor technologies can provide valuable insights for clinicians, enabling more precise diagnoses, and evidence-based prognostic predictions. This Special Issue will focus on sensors and sensing systems that advance our understanding and application of biomechanics, neurophysiology, and neurorehabilitation. Contributions are welcome that explore the development, validation, and clinical application of smart and wearable sensors, biosensors, and advanced electronic or remote sensing devices for the assessment and rehabilitation of motor function. This Special Issue aligns with the following scope of *Sensors*: Smart/intelligent sensors; Biosensors; Wearable sensors, devices, and electronics; MEMS/NEMS; Remote 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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