

Special Issue

Wearable Motion Sensors Applied in Older Adults

Message from the Guest Editors

This SI focuses on new approaches in the area of wearable motion sensor technology application in older adults. A wide range of wearable sensors (e.g., accelerometers, gyroscopes, magnetometers, GPS, resistive flex and pressure sensors) are now available, providing raw data to describe the type, quantity, and quality of physical activities, daily participation, and skill acquisition beyond motion analysis laboratories. More research is necessary, however, before end-users, clinicians, and researchers can utilize sensor data for ecologically sound monitoring and outcome assessment. Some example applications of interest for this SI are sensors for assessing gait, balance, and postural transitions, physical activity patterns, life-space mobility, age-related chronic diseases (e.g., dementia, stroke etc.) or syndromes (e.g., frailty), adherence to physical activity and exercise interventions, providing feedback about motor learning and skill (re)acquisition during preventive and rehabilitative interventions, and ecological momentary assessment. Dr. Michael Schwenk

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Guest Editors

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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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