Special Issue

Wearable Robotics and Assistive Devices

Message from the Guest Editors

Wearable assistive robots are potential solutions for the needs of diverse population groups, including persons with disabilities and workers who perform strenuous physical tasks. Persons with weakened limbs may use exoskeletons to augment their strength or to train lost motor abilities. Workers can employ assistive wearable technologies to avoid injuries and enhance performance while executing repetitive and demanding manual material handling tasks. Wearable devices are available to monitor workers' posture or detect excessive and risky compression forces. Alternatively, exoskeletons have been developed to assist workers in performing their tasks by supporting the different human joints to reduce physical loading. This Special Issue will discuss novel approaches, challenges, and potential solutions in the field of wearable robotics and assistive devices. The aim is to facilitate innovation and bring these technologies closer to wide real-world adoption by collecting and discussing the latest research advances that offer new solutions for developing robust assistive robots and evaluating their effectiveness in real-world scenarios.

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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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