Special Issue

Quantifying, Understanding and Improving Human-Exoskeleton Interaction

Message from the Guest Editors

This Special Issue aims to collect current developments in the field of exoskeleton-assisted interaction, including any aspects related to the design, control, interfacing, and assessment of exoskeletons putting emphasis on sensors.

Topics of interest include (but are not limited to):

- Protocols and methods to assess exoskeleton-assisted motion;
- Sensor systems for exoskeleton and interface assessment;
- Algorithms for exoskeleton sensors and control;
- Human–exoskeleton interaction modalities and analysis;
- Biomechanical and ergonomic considerations of human–exoskeleton interaction;
- Metabolic and physiological assessment of human–exoskeleton interaction;
- Exoskeleton benchmarking metrics and protocols.

Guest Editors

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Dr. Diego Torricelli

Dr. Philipp Beckerle

Deadline for manuscript submissions

closed (30 April 2023)

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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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