



sensors



an Open Access Journal by MDPI

Feedback-Based Balance, Gait Assistive and Rehabilitation Aids

Guest Editors:

Prof. Kathleen Sienko

University of Michigan

Prof. Dr. Peter Shull

Department of Mechanical
Engineering, Shanghai Jiao Tong
University, Shanghai 200240,
China

Deadline for manuscript
submissions:

closed (31 March 2022)

Message from the Guest Editors

Dear Colleagues ,

Balance and gait impairments due to age, injury, and/or disease decrease the quality of life of affected individuals, and frequently require the use of assistive devices and/or rehabilitative interventions. This Special Issue seeks contributions that describe novel feedback technologies or novel applications of existing technologies, and contributions that inform the design and/or use of balance/gait aids for real-time use and/or balance–gait training, including: feedback-related balance or gait studies; studies exploring mechanisms by which feedback is processed and used by the CNS; studies investigating retention and/or carry-over effects of training with a feedback technology; human–feedback technology interface studies; and studies that characterize the effects of various feedback parameters and dosage strategies on performance.

Prof. Kathleen Sienko

Prof. Peter Shull

Guest Editors



mdpi.com/si/62210

Special Issue



sensors



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Vittorio M. N. Passaro

Department of Electrical and
Information Engineering,
Politecnico di Bari, Via Orabona
4, 70126 Bari, Italy

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.

Author Benefits

Open Access : free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

High Visibility: indexed within [Scopus](#), [SCIE \(Web of Science\)](#), [PubMed](#), [MEDLINE](#), [PMC](#), [Ei Compendex](#), [Inspec](#), [Astrophysics Data System](#), and [other databases](#).

Journal Rank: JCR - Q2 (Instruments and Instrumentation) / CiteScore - Q1 (Instrumentation)

Contact Us

Sensors Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/sensors
sensors@mdpi.com
[X@Sensors_MDPI](#)