







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 contributions that describe novel feedback technologies or applications of existing technologies, novel 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













an Open Access Journal by MDPI

## **Editor-in-Chief**

### Prof. Dr. Vittorio M. N. Passaro

Dipartimento di Ingegneria Elettrica e dell'Informazione (Department of Electrical and Information Engineering), Politecnico di Bari, Via Edoardo Orabona n. 4, 70125 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 (*Chemistry, Analytical*) / CiteScore - Q1 (Instrumentation)

### **Contact Us**