Machine Learning Application in Human Motion Tracking

Guest Editors:

Prof. Dr. Begoña Garcia-Zapirain

Departament of Computer Science, Electronics and Telecommunications, University of Deusto, 48007 Bilbao, Spain

Prof. Dr. Artūras Serackis

Department of Electronic Systems, Vilnius Gediminas Technical University (VILNIUS TECH), 10223 Vilnius, Lithuania

Prof. Dr. Adel S. Elmaghraby

J.B. Speed School of Engineering, University of Louisville, Louisville, KY 40292, USA

Deadline for manuscript submissions:
closed (20 June 2022)

Message from the Guest Editors

Machine learning plays an important role in current innovative technology spread across different industry and research areas. Among the wide variety of machine learning models, the more user friendly implementations make it possible to use them in embedded, cloud-based or PC-based systems. An increasing interest in machine-learning-based algorithm support for various biomechanical systems (e.g. motion tracking, parametric analysis of rehabilitation progress), healthy lifestyle applications (e.g. virtual assistant, virtual coach), biomedical and other systems opens new perspectives for more powerful and efficient data analysis and processing. However, each specific application introduces individual challenges for machine-learning-based methods. This Special Issue is an opportunity for researchers to share their methods of solving complex issues during investigations in biomechanics, healthy lifestyle and biomedical applications.

Special Issue

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica,
Politecnico di Milano, Piazza L.
da Vinci 32, 20133 Milano, Italy

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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), Inspec, CAPlus / SciFinder, and other databases.
Journal Rank: JCR - Q1 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)

Contact Us