Special Issue

State of the Art of Sensors in Biomechanics

Message from the Guest Editors

Recent technological advancements allow for out-of-lab measurements of human kinematics, kinetics, physiology, behaviour and performance, which maximise the research impact with real-world data. This Special Issue, therefore, aims to collect original research articles and review articles that discuss innovative methodologies for sensor applications in human biomechanics. Specifically, the issue will publish studies focused on the use of wearable sensors and smartphone applications, in combination with advance mathematical modelling, machine-learning algorithms and measurements, in order to highlight how innovative methodologies can enhance biomechanics analysis. Potential topics include, but are not limited to:

- Design, development and validation of wearable sensors for biomechanics applications;
- Mathematical modelling and machine learning algorithms for medical, healthcare and sports applications;
- New methodologies to promote user friendliness and usability of wearable sensors.

Guest Editors

Prof. Dr. Roy Cheung

Prof. Dr. Chih-Hsiu Cheng

Prof. Dr. Peter Shull

Dr. Asghar Rezaei

Deadline for manuscript submissions

closed (30 May 2023)

Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 5.5

mdpi.com/si/106694

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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.

Editor-in-Chief

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