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# **Applied Biomechanics and Motion Analysis**

Guest Editors:

### Prof. Dr. Rita M. Kiss

Department of Mechatronics, Optics and Mechanical Engineering Informatics, Faculty of Mechanical Engineering, Budapest University of Technology and Economics, Műegyetem rakpart 3, 1111 Budapest, Hungary

#### Prof. Dr. Alon Wolf

Biorobotics and Biomechanics Lab (BRML), Faculty of Mechanical Engineering, Technion-Israel Institute of Technology, Haifa 32000, Israel

Deadline for manuscript submissions:

closed (20 February 2024)

## **Message from the Guest Editors**

Dear Colleagues,

It is our pleasure to present this Special Issue on "Applied Biomechanics and Motion Analysis". The developments in the field of recording human and animal movement have been significant in recent decades. Kinematic, dynamic, and EMG measurements are prevalent not only during everyday movement such as walking, but also during sports movements (running, fencing, throwing). We look forward to receiving systematic reviews, original publications, and case studies in the following areas, but not exclusively:

- Development, validation, and verification of new measuring instruments and approaches;
- Kinematic, dynamic, EMG, and other physiological measurements related to motion:
- New signal processing methods in the field of kinematic and physiological data processing;
- Action recognition and motion evaluation based on artificial intelligence and machine learning methods;
- Novel approaches in gait analysis, analysis of activities of daily living, and sports movement;
- Studies on human balancing, balance tests, and dynamic posturography;
- Animal motion analysis, e.g., canine, bovine, equine.











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## **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.

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