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Novel Applications of Sensors Technology for Motion Analysis to Advance Understanding of Human Movement

Guest Editors:

Dr. Matthew A. Timmis

Dr. Andrew Morrison

Dr. Dan Robbins

Dr. Matthew J. D. Taylor

Deadline for manuscript submissions:
closed (25 March 2024)

Message from the Guest Editors

Dear Colleagues,

Drs Timmis, Morrison, Robbins and Taylor are pleased to serve as Guest Editors for an upcoming Special Issue titled **“Novel Applications of Motion Analysis to Advance Understanding of Human Movement”**.

Technological advancements have created exciting opportunities for the analysis of human movement in novel and applied environments, enabling research to be conducted in more ecologically representative environments (i.e., beyond laboratory testing).

This Special Issue will provide an opportunity to disseminate innovative approaches currently being undertaken to either enhance performance, minimize injury risk or monitor/diagnose pathology. We welcome submissions across the broad spectrum of Sport and Clinical Biomechanics, investigating either paediatric or adult populations. It is anticipated that the following technology is highlighted:

Alternative applications of motion capture;

Use of wearable technology (e.g., IMUs);

Embedded technology (e.g., sensory in clothing);

Markerless motion capture systems;

Virtual reality.



mdpi.com/si/142447

Special Issue



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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.

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