

## Special Issue

# Recent Developments in Wearable Sensors for Human Locomotion Monitoring

### Message from the Guest Editor

To understand real-world human locomotor behavior, we need to study gait in realistic settings. Wearable sensors that are lightweight, wireless, and portable enable biomechanical and physiological signal recordings during dynamic movements outside of traditional laboratory spaces. Advancements in wearable sensing will improve our understanding of human behavior during gaits; this is crucial for monitoring human health, improving human performance, treating locomotor deficits, and developing assistive locomotor devices. Contributions on the following research topics are encouraged for submissions to this Special Issue: sensor and algorithm development and validation, and human locomotion studies that apply portable recording methods for measuring human brain, muscle, and body dynamics. We look forward to your submissions.

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### Guest Editor

Dr. Andrew D. Nordin

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### Deadline for manuscript submissions

20 November 2025



## Applied Sciences

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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.

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### Editor-in-Chief

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