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# Combining Machine Learning and Sensors in Human Movement Biomechanics

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Deadline for manuscript submissions:
**closed (20 September 2024)**

## Message from the Guest Editors

Wearable devices allow a wireless, low-power consumption and real-time quantification of motor functions and abilities, pathological conditions, compensatory motor strategies, and improvements due to ergonomic interventions. The ongoing joint use of specific algorithms and sensors leads to an intelligent, accurate and precise characterization of human motion. Many branches such as robotics, ergonomics and sports can benefit from the use of machine learning and sensors.

Potential topics of this Special Issue include but are not limited to:

- Human movement analysis and machine learning categorization
- Machine-learning-based diagnostic algorithms of human movement disorders
- Machine learning and movement-analysis-based clinical decision in human movement disorders
- Machine learning for biomechanical risk classification in manual handling activities
- Wearable wireless devices for movement analysis and machine learning procedures
- Computational models in machine learning and sensors for movement analysis
- Wearable wireless and machine learning communication systems in human movement biomechanics

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## Message from the Editor-in-Chief

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