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IMU Sensors, Techniques and Methods for Movement Analysis in the Context of Health Monitoring and Clinical Applications

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Deadline for manuscript
submissions:

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Message from the Guest Editor

This Special Issue aims to bring together contributions concerning the use of wearable IMUs and their underlying sensors, sensing techniques, and signal processing methods and algorithms for quantitatively assessing gait, posture, joint kinematics, physical activity, energy expenditure, sleep, mood, movements disorders, assistive technologies, and their integration in the context of health monitoring and clinical applications.

We will accept contributions in the form of either full-length research papers, systematic reviews or papers reporting new results on:

- Empirical demonstration of IMU sensor data use cases and usability for health monitoring and clinical applications;
- Algorithm development with validation results leveraging IMU sensor data and other sources for health monitoring and clinical applications;
- Innovative data fusion strategies and signal processing for enhanced accuracy and precision of IMU sensor data for health monitoring and clinical applications.



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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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