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Sensors and AI for Movement Analysis

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Message from the Collection Editor

Movement analysis is currently one of the more attractive research fields and covers several applications from clinics to sports, as well as robotics and industry. In recent decades, the introduction of sensor-based systems to quantitatively perform movement analyses represented a breaking point among researchers, allowing them to overcome the limitations associated with the previous subjective methodologies.

This Special Issue aims to promote innovative studies based on the application of sensors and AI for movement analysis in several fields, such as clinics, sports, robotics, and industry; the implementation of innovative methodologies for data analysis; the design of innovative sensors; and the publication of open databases for motion analysis.

- movement analysis
- wearable sensors
- artificial intelligence
- experimental biomechanics
- kinematics
- kinetics
- posturography
- muscle activities
- sensor-based system



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Topical Collection



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Message from the Editor-in-Chief

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