Special Issue

Wearable Sensors for Biomechanical Monitoring in Sport

Message from the Guest Editors

Sports biomechanics is the application of the principles of biomechanics to the study of human movement in sports and exercise to quantitatively evaluate performance and reduce injury. With advancements in technology, wearable sensors now offer the opportunity to measure the biomechanics of human movement in sports and athletic environments while maintaining the technical movements of athletes. The kinematics, kinetics, and muscle activity of human movement can all be determined with the instrumentation of wearable sensors, which can be applied to sports biomechanics in order to improve performance and minimize the risk of injury. This Special Issue aims to highlight the most recent research regarding the use of wearable sensors and their applications in sports biomechanics to quantitatively measure human movements. The scope of this Special Issue includes, but is not limited to, the following topics:

- Sports biomechanics
- Human movement analysis
- Wearable sensors
- Inertial measurement unit
- Accelerometer
- Gyroscope
- Electromyography

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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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