Special Issue

Inertial Measurement Units in Sport

Message from the Guest Editor

Recently researchers and sport scientists have turned towards the use of inertial measurement units (IMUs) to break out of the laboratory. IMUs have become small, portable, and now low cost. Even sport equipment companies are integrating IMUs into consumer products to provide consumers with more information about their movements. This Special Issue is intended to report recent advances in IMU use in sporting activities. Articles will address topics including original research using IMUs in-field, the reliability and validity of IMUs, and methods to analyze data captured from IMUs that help provide practical transition to consumers, researchers, and sport scientists. Additionally, the challenges and gaps that remain in the implementation and outcome of using IMUs in research and sport science will be discussed.

- Inertial measurement units
- Smart sensors
- Sensor fusion
- Wearable technology
- Angular kinematics
- Sport
- Outside laboratory
- Load monitoring

Guest Editor

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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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