

Special Issue

Human and Animal Motion Tracking Using Inertial Sensors

Message from the Guest Editor

Motion of humans or animals is considered as a biomarker of the performance of the neuro-musculoskeletal system. Consequently, it is a relevant method for clinical diagnosis and follow-up, and sports and ergonomics applications. Recent improvements of the technology of inertial sensors combining accelerometers and gyrometers completed by magnetometers, pressure sensors, etc., now allow for new perspectives as far as motion capture and analysis of humans and animals is concerned.

This Special Issue would like to display innovative work exploring new hardware and software solutions deriving from inertial sensors related to human or animal motion. The particular topics of interest include but are not limited to:

- Sensor calibrations and registrations on anatomical body;
- Methods to determine anatomical orientations and translations;
- Management of errors, bias, drift of the inertial sensors;
- Clinical applications;
- Ergonomics applications;
- Sports application;
- Quantification of physical activity.

Guest Editor

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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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