



sensors



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Wearable Sensors Applied in Movement Analysis

Guest Editors:

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Dr. Frédéric Dierick

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Deadline for manuscript
submissions:

closed (30 September 2022)

Message from the Guest Editors

Dear colleagues,

Wearable sensors open the way for a nonintrusive and continuous monitoring of body orientation, movements, and various physiological parameters during motor activities in real-life settings. Thus, they may become crucial tools not only for researchers but also for clinicians, as they have the potential to improve diagnosis, better monitor disease development and thereby individualize treatment.

You are invited to submit articles to this Special Issue of *Sensors*: **“Wearable Sensors Applied in Movement Analysis”**. Examples of accepted topics are:

- Clinical applications of wearable sensors in movement evaluation;
- Gait analysis including fall detection and movement recognition;
- Calibration methods in real-life conditions;
- Embedded signal processing;
- Use of wearable sensors in telemedicine;
- Wireless transmission and data storage;
- Applications of wearable sensors in rehabilitation (biofeedback, home exercise);
- Sensor design, autonomy, body fixation, and acceptability;
- Trust aspects in sensor-based medicine.



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Guest Editors

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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