Special Issue

Sensor Techniques and Methods for Sports Science: 2nd Edition

Message from the Guest Editor

In training impact analysis, parameter values are determined that characterize external loads such as work, power, or speed and describe biological and physiological adaptation processes such as the heart rate. This allows training processes to be documented and recommendations for further training design to be derived. The range of sensors and sensor technologies that can be considered for these and related areas of application is constantly growing. A major challenge is to extract relevant information from the collected, sometimes extensive, data material. The use of new machine learning methods has shown promising results here. This Special Issue focuses on innovative sensors and sensor technologies relevant to sports science. These include technologies for determining the type and duration of physical activities, object tracking, measuring force, sweat, oxygen saturation, muscle activity, breathing rate, body temperature, and other vital parameters. In addition, methods for processing and analyzing sensor-based data will be considered.

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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