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Sensor Techniques and Methods for Sports Science

Guest Editor:

Prof. Dr. Arnold Baca

Centre for Sport Science and
University Sports, University of
Vienna, Auf der Schmelz 6A, 1150
Wien, Austria

Deadline for manuscript
submissions:

25 June 2024

Message from the Guest Editor

In training impact analysis, parameter values are determined that characterize external loads such as work, power or speed or 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 very extensive data material. The use of new machine learning methods is showing 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 are considered.



mdpi.com/si/188640

Special Issue



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Editor-in-Chief

Prof. Dr. Vittorio M. N. Passaro

Dipartimento di Ingegneria
Elettrica e dell'Informazione
(Department of Electrical and
Information Engineering),
Politecnico di Bari, Via Edoardo
Orabona n. 4, 70125 Bari, Italy

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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Sensors Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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