



sports



an Open Access Journal by MDPI

Micro and Nano Technologies for Sport

Guest Editors:

Prof. Dr. Francesco Braghin

Department of Mechanical Engineering, Politecnico di Milano, 20133 Milano, Italy

Dr. Dario Dalla Vedova

Sport Science Department, Medicine and Science Sport Institute, CONI - Italian National Olympic Committee, Italy

Dr. Stefano Mariani

Dipartimento di Ingegneria Civile e Ambientale, Politecnico di Milano, Piazza L. da Vinci 32, 20133 Milano, Italy

Deadline for manuscript submissions:

closed (31 December 2017)

Message from the Guest Editors

Dear Colleagues,

The improvement of an athlete's safety and performance passes through a thorough knowledge of the motion of the athlete, and the loads that are exchanged between the athlete and the equipment and/or environment. The measurement of motions and loads has to be as neutral as possible in order not to modify the athlete's behavior and feeling; this can only be achieved through micro and nano sensors. This Special Issue aims at bringing together contributions from researchers, doctors and also athletes, who could greatly benefit from these new technologies. The focus is especially on the latest advances and applications of micro sensors in sports equipment, with particular focus on wearable, in-helmets, and distributed micro inertial measurement units. Papers devoted to overviews on the evolution of sensors for the study of Olympic Disciplines, and to neuroimaging techniques for functional brain exploration in post-traumatic rehabilitation are also welcome.

Dr. Francesco Braghin

Dr. Dario Dalla Vedova

Dr. Stefano Mariani

Guest Editors



mdpi.com/si/5815

Special Issue



sports



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Eling Douwe De Bruin

1. Institute of Human Movement Sciences and Sport, IBWS ETH, HCP H 25.1, Leopold-Ruzicka-Weg 4, CH-8093 Zürich, Switzerland
2. Karolinska Institutet, Stockholm, Sweden

Message from the Editor-in-Chief

Sports (ISSN 2075-4663) is a peer-reviewed scientific journal that publishes original articles, critical reviews, research notes and short communications in the interdisciplinary area of sport sciences and public health. It links several scientific disciplines in an integrated fashion, to address critical issues related to sport science and public health. The journal presents diverse original articles, including systematic and narrative reviews, cohort and case control studies, innovative randomized trials, and formative research using qualitative and quantitative methods with the aim to provide information for researchers to plan intervention programs. It addresses diverse public health, physical activity and exercise science topics.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, ESCI (Web of Science), PubMed, PMC, and other databases.

Journal Rank: JCR - Q2 (*Sport Sciences*) / CiteScore - Q2 (*Physical Therapy, Sports Therapy and Rehabilitation*)

Contact Us

Sports Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/sports
sports@mdpi.com
X@Sports_MDPI