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Sensors for Exercise and Sport Activities: From Health Promotion to Sports Performance II

Guest Editor:

Prof. Dr. Justin Jeon

Department of Sport Industry
Studies, Yonsei University, Seoul
03722, Korea

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Message from the Guest Editor

Dear Colleagues,

Measurement of movement, physical activity, and fitness levels provide valuable information to predict a person's health, physical function, and risk of different musculoskeletal and metabolic diseases, such as low back pain, osteoarthritis, diabetes, cardiovascular disease, and even cancer risk. Furthermore, these types of information also provide postural, kinematic, and biomechanical information during sport activity. On the other hand, the advances in artificial intelligence and machine learning provide new ways to interact and gain insights into the captured data, which enable analyzing, segmenting, classifying, and recognizing human posture/movement and cardiopulmonary response to exercise and physical and sport activities.

This Special Issue will cover a wide range of topics around exercise and physical and sport activities, including new sensor technologies to capture movement, musculoskeletal/cardiopulmonary response to exercise/physical and sport activities, the application prospect of sensors in exercise and sport activities, the application prospects of sensors in exercise and sport activities.



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Special Issue



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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

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Sensors Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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