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Applications, Wearables and Sensors for Sports Performance Assessment

Guest Editor:

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Message from the Guest Editor

Dear colleagues,

The way athletes perform and behave in complex environments, as well as the underlying cognitive control, is inherently complex, dynamic, multidimensional and highly nonlinear.

Wearable technology enables one to directly capture massive amounts of data on sports performance in ecologic (i.e., discipline- or sport-specific) conditions. The challenge is therefore to provide stakeholders (practitioners, sport scientists, coaches) with meaningful information out of this wealth of information: machine learning and artificial intelligence are a compelling choice to embrace this complexity.

This collection of articles features applications of data science to extract performance and functional information from wearable sensors within a sport and/or athletic environment. Examples are devices for physiological monitoring (heart rate and its variability, temperature, oxygen saturation). Innovative and custom solutions are also addressed: this Special Issue features a topical viewpoint on innovative ideas, current landscapes, and new trends on the horizon.

For detailed information, please visit [here](#).

Dr. Matteo Zago

Guest Editor



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Special Issue



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Message from the Editor-in-Chief

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