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Inertial Measurement Units in Sport

Guest Editor:

Dr. Robert Crowther
1. School of Behavioural and Health Sciences, Australian Catholic University, Brisbane 4014, Australia
2. UniSA Allied Health & Human Performance, University of South Australia, Adelaide 5001, Australia

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Message from the Guest Editor

Dear Colleagues,

Recently researchers and sport scientists have turned towards the use of inertial measurement units (IMUs) to break out of the laboratory. IMUs have become small, portable, and now low cost. Even sport equipment companies are integrating IMUs into consumer products to provide consumers with more information about their movements.

This Special Issue is intended to report recent advances in IMU use in sporting activities. Articles will address topics including original research using IMUs in-field, the reliability and validity of IMUs, and methods to analyze data captured from IMUs that help provide practical transition to consumers, researchers, and sport scientists. Additionally, the challenges and gaps that remain in the implementation and outcome of using IMUs in research and sport science will be discussed.

- Inertial measurement units
- Smart sensors
- Sensor fusion
- Wearable technology
- Angular kinematics
- Sport
- Outside laboratory
- Load monitoring

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Editor-in-Chief

Prof. Dr. Vittorio M. N. Passaro
Department of Electrical and Information Engineering, Politecnico di Bari, Via Orabona 4, 70126 Bari, Italy

Message from the Editor-in-Chief

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Contact Us

Sensors Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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sensors@mdpi.com
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