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Human and Animal Motion Tracking Using Inertial Sensors II

Guest Editor:

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Deadline for manuscript submissions:
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Message from the Guest Editor

Due to the versatility of inertial sensors, measurement sessions can now easily be conducted outside the laboratory, for example, at the workplace or in field studies. They also allow for sessions of either a very short duration, such as shock and crash situations, but also for sessions lasting several days, as in the case of monitoring of physical activity. Inertial sensors can be used as single sensors or inertial sensors networks allowing to record kinematics or dynamics of either a single anatomical segment, the upper and lower limbs, or even the full body.

This Special Issue would like to display innovative work exploring new hardware and software solutions deriving from inertial sensors related to human or animal motion.

The particular topics of interest include but are not limited to:

- Sensor calibrations and registrations on anatomical body;
- Methods to determine anatomical orientations and translations;
- Management of errors, bias, drift of the inertial sensors;
- Clinical applications;
- Ergonomics applications;
- Sports application;
- Quantification of physical activity.

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Message from the Editor-in-Chief

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