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Advances in Inertial Sensors

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Deadline for manuscript submissions:

closed (31 July 2021)



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Message from the Guest Editors

Dear Colleagues,

Thanks to the rapid progresses in micro electro-mechanical systems (MEMS), millimeter-sized devices can be produced, providing accurate and reliable measurements, and can be used for monitoring heart motion or bladder movements, heart rate, breathing, pathological tremors, or in general to assess physical activity.

This Special Issue is focused on innovative applications of wearable sensors, digital health, and data analytics to any field of medicine, rehabilitation, sports. Prospective authors are invited to submit original contributions, review, or survey papers for publication in this Special Issue. Topics of interest are not limited to the following:

- Inertial measurement unit in musculoskeletal disorders;
- Inertial measurement unit in neurological disorders;
- Inertial sensors in gait analysis and localization;
- Inertial sensors and sport;
- Signal processing techniques and Hardware implementation for inertial sensors;
- Estimation of real parameters and Data fusion by inertial sensors;
- Continuous monitoring and anomaly detection with inertial sensors;
- Low-power wearable systems based on inertial sensors;
- Inertial sensors in the IoT framework.

Special Issue



sensors



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Message from the Editor-in-Chief

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