Special Issue

Kinetic Analysis of Movement With Wearable Systems

Message from the Guest Editor

This Special Issue deals with wearable measurement systems in which sensors such as IMUs, force and pressure transducers, and other body-worn sensors are used to estimate key kinetic parameters such as force, moment, power, and energy. The focus of this Special Issue goes beyond the controlled conditions of the laboratory and concentrates on activities carried out in the real world. We invite original contributions discussing kinetic estimation using body-worn sensors with an emphasis on investigating the validity and reliability of proposed systems when deployed outside the laboratory environment. In addition, this Special Issue focuses on measurement systems that are applicable and relevant in the clinical, health, and sports fields. By exploring the potential of wearable technology in the assessment of movement kinetics, this collection aims to bridge the gap between laboratory-based studies and real-world applications, promoting advances in our understanding of human movement.

Guest Editor

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Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. Sensors organizes Special Issues devoted to specific sensing areas and applications each year.

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