



Wearable Inertial Sensors

Guest Editor:

Prof. Dr. Jochen Klenk

1. Institute of Epidemiology and
Medical Biometry; Ulm
University; 89075 Ulm, Germany

2. Department of Clinical
Gerontology; Robert Bosch
Hospital; 70376 Stuttgart,
Germany

3. IB University of Applied
Sciences Berlin; Study centre
Stuttgart; 70178 Stuttgart,
Germany

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Message from the Guest Editor

Wearable inertial sensors, including accelerometers, gyroscopes, and magnetometers, have developed considerably during the last decade. Through the progress of performance, miniaturization, and drop in costs, wearable inertial sensors have been integrated in several products of daily life, such as smartphones and smart watches.

This Special Issue aims to collect new developments and research results in the broad field of wearable inertial sensors. The topics for this Special Issue include but are not limited to:

Basic Technologies for wearable inertial sensors:

- Accelerometers
- Gyroscopes
- Magnetometers
- Sensor networks
- Sensor fusion
- Signal processing algorithms including artificial intelligence

Applications:

- Motion analysis and biomechanics
- Health monitoring
- Navigation and tracking
- Biofeedback
- Human machine interfaces
- New and unconventional applications of wearable inertial sensors





sensors



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Editor-in-Chief

Prof. Dr. Vittorio M. N. Passaro

Dipartimento di Ingegneria
Elettrica e dell'Informazione
(Department of Electrical and
Information Engineering),
Politecnico di Bari, Via Edoardo
Orabona n. 4, 70125 Bari, Italy

Message from the Editor-in-Chief

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Sensors Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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