

Special Issue

Gyroscopes and Accelerometers II

Message from the Guest Editors

Inertial sensors, such as gyroscopes and accelerometers, are important components of inertial measurement units (IMUs). Inertial sensors provide an output that is proportional to angular velocity or angular acceleration. The output signal is corrupted by additive noise plus a random drift component. Many modeling, sensor fusion and calibration techniques are used to estimate and remove sensor bias. The objective of this Special Issue is to present significant work in this field. Papers will address wide range of applications such as gyroscope and accelerometer error modeling, modeling of array of low-cost sensors, calibration, bias estimation with Kalman filter or other techniques, GPS and/or other long-term bias-free integration methods with IMUs.

Guest Editors

Dr. Ahmed Zaki

School of Engineering, Brown University, Providence, Rhode Island 02912, USA

Prof. Dr. Richard J. Vaccaro

Electrical, Computer and Biomedical Engineering Pastore Hall, 51 Lower College Rd, Kingston, RI, 02881 - USA – 401.874.2506

Deadline for manuscript submissions

closed (15 December 2020)



Sensors

an Open Access Journal
by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed



mdpi.com/si/39785

Sensors
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
sensors@mdpi.com

mdpi.com/journal/sensors





Sensors

an Open Access Journal
by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed



[mdpi.com/journal/
sensors](https://mdpi.com/journal/sensors)



About the Journal

Message from the Editor-in-Chief

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.

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

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, MEDLINE, PMC, Ei Compendex, Inspec, Astrophysics Data System, and other databases.

Journal Rank:

JCR - Q2 (Instruments and Instrumentation) / CiteScore - Q1 (Instrumentation)