Special Issue

Attitude Estimation Based on Data Processing of Sensors

Message from the Guest Editor

Novel ideas about attitude sensors, new methods to increase the measurement accuracy of the sun, stars or horizon attitude sensors, new algorithms to increase the robustness of star-identification, extraction of meaningful information from degraded sensors, or from those with poor knowledge of sensor parameters, more accurate or faster star centroid algorithms, or new methods of post-flight recalibration new methods. These is an incomplete list of subjects this Special Issue is particularly interested in. Contributions to the theory of attitude estimation (single-point or filtered) are also of great interest. This involves, for instance, new, more accurate, and/or faster filtering techniques, state and parameter estimation, estimation using dual quaternions and multiplicative approaches. New filtering to estimate attitude and attitude rate provides another exampled of a subject this Special Issue is particularly interested in. Finally, surveys with comparisons on different data-processing techniques as well as on attitude estimation methods providing rational summary of competing approaches are also of great interest.

Guest Editor

Prof. Dr. Daniele Mortari

Department of Aerospace Engineering, Texas A&M University, College Station, TX, USA

Deadline for manuscript submissions

closed (31 May 2023)

Sensors

an Open Access Journal by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed

mdpi.com/si/73135

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

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)