



Sensors and Methods for Dynamic Measurement

Guest Editors:

Prof. Dr. Giovanni Battista Rossi

Dipartimento di ingegneria meccanica, energetica, gestionale e dei trasporti, Università degli Studi di Genova, Genoa I-16145, Italy

Prof. Dr. Luigi Carassale

Dipartimento di ingegneria meccanica, energetica, gestionale e dei trasporti, Università degli Studi di Genova, I-16145 Genoa, Italy

Deadline for manuscript submissions:

closed (31 March 2022)

Message from the Guest Editors

In dynamic measurement, the measurand varies during the observation time, and the investigation of such variations is the main goal. This is the object of increasing attention today, due to its application importance and to the scientific and technological challenges it poses. Main current investigation topics include:

- New or improved sensors or measuring principles;
- Dynamic calibration, shock testing;
- Methods for improving the quality of the results (dynamic compensation, filtering) and for uncertainty evaluation;
- Methods for highlighting the useful information (spectrum analysis, parametrical identification, modal analysis);
- Dynamic assessment in social sciences;
- Special application areas, such as vibrations and vibro-acoustics, biomechanics of human movement, full-scale monitoring of civil structures, aerodynamics and wind tunnel testing, unsteady fluid dynamics, image-based measurements.





sensors



an Open Access Journal by MDPI

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

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.

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 (*Chemistry, Analytical*) / CiteScore - Q1 (Instrumentation)

Contact Us

Sensors Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/sensors
sensors@mdpi.com
[X@Sensors_MDPI](#)