



Magnetic Sensors

Collection Editors:

Prof. Dr. Arcady Zhukov

Department of Material Physics
at UPV/ EHU in San Sebastian,
Universidad del Pais Vasco, San
Sebastian, 48009 Bilbao, Spain

Dr. Nicolò Marconato

Department of Industrial
Engineering, Università degli
Studi di Padova, 35131 Padova,
Italy

Message from the Collection Editors

Dear Colleagues,

Magnetic sensors play an important role in many industries (microelectronics, security and electronic surveillance, automotive, aerospace and aircraft, home entertainment, computer science, electrical engineering, magnetic recording, construction monitoring, sensorics among others), providing the ability to detect events or changes in the environment and monitor such events through other electronic devices, for example, through a computer processor. Therefore, research and development in the field of magnetic sensors have recently attracted great attention from academia and industry.

This Topical Collection will focus on the latest developments, research findings, ideas for highly sensitive magnetic devices and applications, and magnetic sensing technology

The topics of this Topical Collection encompass but are not restricted to the following areas:

- Magnetic sensors and actuators;
- Novel magnetic materials;
- Fundamentals and physics of magnetic sensors;
- Magnetic measurements and instrumentation, measurement standards;
- Development of magnetic sensors applications





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](#)