Special Issue

Magnetostrictive Transducers, Sensors, and Actuators

Message from the Guest Editors

Sensors and actuators are key elements of any control system. In the last two decades, smart materials have played a significant role when it comes to enhancing the performance of mechatronic systems in industries. The high magneto-mechanical coupling coefficient, high Young's modulus, and low cost combined with the ductility of some alloys and operating in the harsh environment make the magnetostrictive material a suitable candidate for manufacturing sensors and actuators.

This Special Issue aims to highlight advances in the development, testing, modeling, and controlling of magnetostrictive transducers, on the component level as well as within control systems. For more information, please click: mdpi.com/si/84419 or mdpi.com/si/84613

Guest Editors

Dr. Mojtaba Ghodsi

School of Energy and Electronic Engineering, University of Portsmouth, Portsmouth PO1 3DJ, UK

Dr. Morteza Mohammadzaheri

School of Engineering and the Built Environment, Birmingham City University, Birmingham, UK

Deadline for manuscript submissions

closed (30 December 2024)

Sensors

an Open Access Journal by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed

mdpi.com/si/84419

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)