

Topical Collection

Magnetic Sensors

Message from the Collection Editors

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

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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.

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