

Special Issue

Recent Trends and Advances in Magnetic Sensors

Message from the Guest Editors

This Special Issue will focus the latest developments, research findings, and ideas regarding highly sensitive magnetic devices and the applications of magnetic sensing technology, including the basic phenomena and fundamental aspects of magnetic materials suitable for magnetic sensors and applications as well as wireless non-destructive control and monitoring, wearable electronics, and medicine involving magnetic sensorics. Topics include, but are not limited to, the following: Magnetic sensors including magnetometers, magnetoimpedance, and magnetoresistance sensors, magnetoelastic sensors, Hall effect devices, and fluxgates;

- Novel magnetic materials for sensor and actuator applications and their advanced processing;
- Fundamentals and physics involving the basic effects, theory, and modeling of magnetic sensors;
- Magnetic measurements and instrumentation, including their measurement standards;
- Smart materials for wireless and non-destructive stress and temperature monitoring, including (but not limited to) tuneable metamaterials and magnetorelastic sensors and devices.

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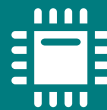
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Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. 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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