

Special Issue

Novel Magnetic Sensors and Applications

Message from the Guest Editors

Magnetic sensors are a special kind of sensors, which are widely used in automobile, aerospace, the Internet of Things, consumer electronics and other industries. In recent years, traditional magnetic sensors based on magnetoresistance, electromagnetic induction and other principles, such as the Hall effect, giant magnetoresistance, tunneling magnetoresistance, fluxgate meter, etc., have had their performance improved. Sensors based on novel principles, such as diamond NV-center magnetometers, optical pumping atomic magnetometer, superconducting quantum interference magnetometer, magnetoelectric coupling effect, magneto-optical effect, optical fiber magnetoelastic composite sensor, are developing rapidly. This Special Issue aims to collect the latest research progress of traditional and novel sensors, as well as their latest application progress in biological detection, weak magnetic field measurement, resource exploration, nondestructive testing and other fields, and to provide a platform for scientists to engage in the research and application of magnetic sensors and to exchange and display knowledge.

Guest Editors

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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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