Special Issue

Advances and Applications of Magnetic Sensors

Message from the Guest Editor

Magnetic sensors are in high demand for a variety of technological applications, such as microelectronics, security electronic surveillance; automobile, aerospace and aircraft industries; energy harvesting and conversion, electrical engineering, informatics, magnetic recording, nondestructive testing in civil construction, medicine and biomedical engineering, etc. Recent trends in magnetic sensors have required high sensitivity, a quick response, small size and stability. While reducing the production cost and power consumption, the industry has also seen the improvement of features and the finding of novel operating principles based on fundamental studies of novel materials and phenomena. This Special Issue of *Sensors* aims to focus on the latest advances and novel ideas devoted to designing magnetic devices and applications, magnetic sensing technology, basic phenomena and fundamental studies of novel nanomaterials suitable for next-generation sensors. Short communications, research papers and review articles are welcome for consideration.

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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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