Special Issue

Smart Magnetic Sensors and Applications

Message from the Guest Editors

Magnetic sensors have become indispensable across a wide range of industries, from the healthcare and automotive industries to robotics and consumer electronics. As technological advancements continue to accelerate, these sensors are set to play an even more central role in shaping the future of various sectors. Their unique ability to function effectively in diverse and challenging environments, along with their precision and adaptability, ensures they will remain at the forefront of developing smarter, more connected systems that enhance safety, efficiency, and sustainability in daily life. This Special Issue aims to showcase cutting-edge research and innovations focused on overcoming the challenges of improving the performance and miniaturization of smart magnetic sensors. It also explores the growing potential of these sensors in key applications such as environmental monitoring, wearable technology, and industrial automation.

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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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