

Special Issue

Advances in Magnetic Sensors: Innovations, Challenges and Applications

Message from the Guest Editor

This Special Issue aims to synthesize original research and review articles on recent advances, technologies, solutions, and challenges in the field of magnetic sensors, with a focus on their various applications, such as magnetic anomaly detection, Earth magnetism navigation, biological magnetic measurement, and space magnetic measurement, among others. Potential topics include but are not limited to the following:

- New advances in magnetic sensors and systems;
- Aeromagnetic surveys and systems;
- Unmanned vehicles for magnetic surveys;
- Aeromagnetic anomaly sensing systems;
- Underwater magnetic anomaly sensing systems;
- Biological magnetic field measurement and its medical applications;
- Advanced magnetic sensor technology;
- Magnetic interference compensation technology;
- Advanced magnetic detection platforms;
- Magnetic data processing technology;
- Magnetic anomaly sensing technology based on artificial intelligence;
- New applications of magnetic anomaly sensing technology;
- AI techniques for magnetic sensing and measurement.

Guest Editor

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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.

Editor-in-Chief

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