

Special Issue

Magnetoelectric Sensor Systems and Applications

Message from the Guest Editors

Well-established magnetic sensors have several advantages if magnetometers are used either in addition or sometimes instead of electric measurements. The drawbacks of current magnetic sensor technologies are mainly their high cost and their limited robustness against environmental influences. The magnetoelectric (ME) sensor principle is relatively new and has the potential to overcome these limitations at a very low cost. This Special Issue will report the latest research on magnetoelectric sensor systems and corresponding applications. The bandwidth of contributions can range from advances in material science and improved understanding of the magnetic processes that are involved in magnetoelectric layers, low-noise amplification circuits, and specially tailored readout schemes for ME sensors, but also application examples from biomedical or other fields. Topics of interest include but are not limited to the following:

- magnetoelectric sensors
- magnetic sensor concepts
- sensor system development
- biomedical applications

Guest Editors

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Deadline for manuscript submissions

closed (11 December 2021)



Sensors

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Impact Factor 3.5
CiteScore 8.2
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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.

Editor-in-Chief

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