

Special Issue

Advanced Magnetoelectric Sensors: Materials, Design and Applications

Message from the Guest Editors

Magnetoelectric (ME) sensors based on piezoelectric/ferromagnetic ME composites have gained attention for futuristic device applications due to their low cost, easy fabrication, high sensitivity, and room temperature operation. This Special Issue aims to highlight the current advances in the field of magnetoelectric sensors, including but not limited to the following topics:

- New magnetoelectric composite materials;
- Novel fabrication processes for magnetoelectric sensors;
- Nano/micro-electromechanical systems (N/MEMSs) acoustic resonator-based magnetoelectric sensors;
- Theory, modeling, and optimization of magnetoelectric sensors;
- Magnetoelectric current sensors, self-powered sensors;
- Magnetoelectric energy harvesters;
- Signal modulation and delta-E (ΔE) effect-based magnetoelectric sensors;
- Noise analysis of magnetoelectric sensors and readout systems.

Guest Editors

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Deadline for manuscript submissions

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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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