



## Magnetoelectric Sensor Systems and Applications

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Deadline for manuscript  
submissions:

**closed (11 December 2021)**

### 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





# sensors



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## Message from the Editor-in-Chief

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