

Special Issue

Ultrasonic Imaging and Sensors

Message from the Guest Editors

Ultrasound imaging is one the most extended diagnostic techniques in medicine, and one of the most demanded tools for non-destructive evaluation in industry. Although it is a well established technique, scientific and technical advances keep pushing the field beyond its frontiers, not only with regard to image quality and frame rate, but also with new applications and imaging modalities. It is, indeed, an amazing research field, which involves topics varying from materials science for transducers manufacturing and wave propagation physics to high-end analog and digital electronics and signal and image processing algorithms. This Special Issue is open to new research and review papers in any of these fields, including, but not limited to:

- New materials for ultrasound transducers
- Transducer design for NDT and medical applications
- Physical acoustics
- Analog and digital ultrasound electronics
- New beamforming methods and imaging modalities
- New NDT and medical ultrasound applications
- Ultrasonic image processing and AI techniques

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Deadline for manuscript submissions

closed (21 October 2021)



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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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