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Ultrasound Imaging and Sensing for Nondestructive Testing

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Deadline for manuscript submissions:
closed (10 January 2026)

Message from the Guest Editors

In recent years, there has been rapid development in non-destructive testing technology for ultrasound imaging. This technology has expanded the application scope of ultrasound testing, from non-destructive testing of products in the fabrication process to in-service equipment inspection. This Special Issue will explore various new robot-assisted and automated ultrasound imaging systems, related theories and algorithms for automated ultrasound imaging and testing, and ultrasound imaging technology for various non-destructive testing applications.

Both review articles and original research papers associated with ultrasonic systems, robots and automated inspection systems, ultrasonic sensors/transducers, and their applications in non-destructive testing are solicited. There is a particular interest in papers concerning techniques of ultrafast ultrasound imaging, three-dimensional ultrasound imaging, underwater ultrasound imaging, and their applications for non-destructive testing.

For more information, please visit: mdpi.com/si/KFWU1B65F4





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