



Innovations in Ultrasound Imaging for Medical Diagnosis

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Message from the Guest Editor

Ultrasound is one of the most widespread medical imaging modalities; among its other characteristics, it is radiation-free, portable, cost-effective, and high-quality both in terms of contrast and resolution. Its use has been steadily growing, however, its potential is still far from fully explored, with new technologies (such as flexible/wearable or capacitive micromachined transducers) and new techniques (for example, elastography or photoacoustic imaging) being continuously developed. Additionally, ultrasound image processing has bloomed in recent years, mainly thanks to the advent of machine-learning-based applications which have allowed more robust, more accurate, and often automatic interpretation and use of images. This, together with significant advances in artefact reduction implemented on state-of-the-art commercial ultrasound machines, has significantly reduced what have traditionally been considered limitations of this modality.

The aim of this Special Issue is to present novel technologies or applications or techniques in ultrasound imaging for medical diagnostics. Authors are invited to submit innovative research papers or comprehensive review papers.





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Message from the Editor-in-Chief

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