



## Ultrasound B-mode Imaging: Beamforming and Image Formation Techniques

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Deadline for manuscript  
submissions:

**closed (31 December 2018)**

### Message from the Guest Editors

In the last decades, new beamforming and image reconstruction techniques have emerged which aim at improving resolution, contrast, and clutter suppression, especially in difficult-to-image patients. Nevertheless, achieving a higher image quality is of the utmost importance in diagnostic ultrasound medical imaging, and further developments are still indispensable. From this point of view, a crucial role can be played by novel beamforming techniques as well as by non-conventional image formation techniques (e.g., advanced transmission strategies, compounding, coded and harmonic imaging, etc.).

This Special Issue wishes to include novel contributions both on ultrasound beamforming and image formation techniques, particularly addressed at improving B-mode image quality and related diagnostic content. We warmly invite authors to collaborate to the Special Issue with original high-quality research or review papers.





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## Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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