Bio

My research interests are focused on developing and implementing novel beamforming techniques to improve the quality and diagnostic value of ultrasound images. Current projects include improving image quality in difficult-to-image patients, enhancing the sensitivity of molecular contrast-enhanced ultrasound imaging, reducing common artifacts in ultrasound imaging using machine learning-based methods, and the rapid translation of these techniques onto real-time ultrasound imaging systems using GPU-based computing.

Publications

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