

Richard Prager's Publications

Refereed Journal Articles

- [J1] N. Q. Nguyen and R. W. Prager. Ultrasound pixel-based beamforming with phase alignments of focused beams. *IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control*, March 2017. DOI 10.1109/TUFFC.2017.2685198.
- [J2] N. Q. Nguyen and R. W. Prager. High-resolution ultrasound imaging with unified pixel-based beamforming. *IEEE Transactions on Medical Imaging*, 35(1):98–108, 2016. DOI 10.1109/TMI.2015.2456982.
- [J3] N. Q. Nguyen and R. W. Prager. Minimum variance approaches to ultrasound pixel-based beamforming. *IEEE Transactions on Medical Imaging*, 36(2):374–384, 2016. DOI 10.1109/TMI.2016.2609889.
- [J4] N. Q. Nguyen, R. W. Prager, and M. F. Insana. A task-based analytical framework for ultrasonic beamformer comparison. *Journal of the Acoustical Society of America*, 140(2), 2016. DOI 10.1121/1.4960607.
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Invited Journal Articles

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Refereed Conference Papers

- [C1] N. Q. Nguyen and R. W. Prager. Minimum variance beamformers for coherent plane-wave compounding. In *Proc. SPIE 10139, Medical Imaging 2017: Ultrasonic Imaging and Tomography*. Orlando, Florida, United States, February 2017. DOI 10.1117/12.2254293.
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- [C3] U. Z. Ijaz, R. W. Prager, A. H. Gee, and G. M. Treece. Particle swarm optimization for in vivo 3D ultrasound volume registration. In M. P. Andre, J. P. Jones, and H. Lee, editors, *Acoustical Imaging Volume 30*, pages 345–354. Springer, Monterey, California, 2011.
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