Jørgen Arendt Jensen - Research outputs - Research - DTU Orbit (26/04/2019)


Diederichsen SE, Hansen JMF, Engholm M, Jensen JA, Thomsen EV. **Output Pressure and Pulse-Echo Characteristics of CMUTs as Function of Plate Dimensions.** In 2017 IEEE International Ultrasonics Symposium (IUS). IEEE. 2017 https://doi.org/10.1109/ULTSYM.2017.8092352


Brandt AH, Hemmsen MC, Hansen PM, Madsen SS, Krohn PS, Lange T et al. **Clinical evaluation of synthetic aperture harmonic imaging for scanning focal malignant liver lesions.** Ultrasound in Medicine & Biology. 2015;41(9):2368-75. https://doi.org/10.1016/j.ultrasmedbio.2015.05.008


Hansen JM, Nikolov S, Kortbek J, Jensen JA, inventors. **Methods and systems for producing compounded ultrasound images.** A61B8/14; G01N29/06; G01S15/89; G01S7/52; G10K11/34. 2012.


Hemmsen MC, Hansen JM, Jensen JA. **Synthetic Aperture Sequential Beamformation applied to medical imaging.** In 9th European Conference on Synthetic Aperture Radar: EUSAR 2012. IEEE. 2012. p. 34 - 37


Pham AH, Lundgren B, Stage B, Jensen JA. **Ultrasound backscatter from free-swimming fish at 1 MHz for fish identification.** 2012. Poster session presented at IEEE International Ultrasonics Symposium, Dresden, Germany.


Hemmsen MC, Nikolov S, Jensen JA. **Simulation of high quality ultrasound imaging.** 2010. Abstract from 10th EUROSON 2010, Copenhagen, Denmark.


Jensen JA, Li Y. **Synthetic aperture flow imaging using a dual beamformer approach.** 2010. Abstract from 10th EUROSON 2010, Copenhagen, Denmark.


Jensen JA, inventor. **Method and apparatus for processing ultrasonic signals.** G01S7/52; G01S7/523; G10K11/34. 2009 May 23.


Jensen JA, inventor. Spectral velocity estimation using autocorrelation functions for sparse data sets. A61B8/06; G01S15/58; G01S15/89. 2006 Dec 1.


Gran F, Jensen JA. Designing Non-linear Frequency Modulated Signals For Medical Ultrasound Imaging. In IEEE Ultrasonics Symposium. IEEE. 2006. p. 1714-1717 https://doi.org/10.1109/ULTSYM.2006.432


Kortbek J, Jensen JA. **Determination of velocity vector angles using the directional cross-correlation method.** In IEEE Ultrasonics Symposium. IEEE. 2005. p. 1339-1343 https://doi.org/10.1109/ULTSYM.2005.1603101


Misaridis T, Jensen JA. **Space-time encoding for high frame rate ultrasound imaging.** Ultrasonics. 2002;40(1-8):593-597. https://doi.org/10.1016/S0041-624X(02)00179-8


Jensen JA, inventor. Vector velocity estimation using directional beam forming and cross-correlation. G01P5/22; G01P5/24; G01S15/58; G01S15/89; (IPC1-7): G01F1/66; G01P5/00. 2000.


Jensen JA, inventor. Apparatus and method for determining movements and velocities of moving objects. G01P3/64; G01P5/24; G01S13/58; G01S15/58; G01S15/89. 1998.


