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Education

PhD Degree in Mechanical Engineering; GPA: 3.66 <i>University of Illinois at Chicago, Chicago, IL.</i>	2008 - ...
PhD. Degree in Electrics and Electronics Engineering <i>Middle East Technical University, Ankara, TURKEY</i> Credits transferred to University of Illinois at Chicago.	2006 - <i>incomplete</i>
M.S. Degree in Electrics and Electronics Engineering <i>Middle East Technical University, Ankara, TURKEY</i> Signals and Systems.	2002-2006
B.S. Degree in Electrics and Electronics Engineering <i>Middle East Technical University, Ankara, TURKEY</i> Signal Processing and Computers	1998-2002

Patent Applications / Invention Disclosures

Yasar TK, Klatt D, Royston TJ, Magin RL. Selective spectral displacement projection in 3D multifrequency MRE. Invention Disclosure at the University of Illinois at Chicago	2013
Klatt D, Yasar TK, Royston TJ, Magin RL. Sample Interval Modulation Magnetic Resonance Elastography (SLIM-MRE). Invention Disclosure at the University of Illinois at Chicago	2012

Publications

Book

- Co-Author of chapter 4 “Classical And Modern Direction-Of-Arrival Estimation”, Academic Press, 2009

Journal

- Yasar TK, Klatt D, Magin RL, Royston TJ “Selective spectral displacement projection in 3D multifrequency MRE”, Phys. Med. Biol. - In review
- Klatt D, Yasar TK, Magin RL, Royston TJ “Sample interval modulation for the simultaneous acquisition of 3D displacement data in MR Elastography”, Phys. Med. Biol. - In review
- T. K. Yasar, T. J. Royston, R. L. Magin, “Wideband MR elastography for viscoelasticity model identification,” Mag. Res. Med. – in press, published online, doi: 10.1002/mrm.24495 (2012).
- T. Engin Tuncer, T. Kaya Yasar, Benjamin Friedlander, “DOA Estimation For Nonuniform Linear Arrays By Using Array Interpolation”, Radio Science, Vol.42, No.4, July 2007.

Conference

- Yasar TK, Klatt D, Magin RL, Royston TJ “Selective spectral displacement projection in 3D multifrequency MRE”, in *Proc. Intl. Soc. Mag. Reson. Med. 21* (Salt Lake City, Utah, USA, April 20 – April 26, 2013)
 - Klatt D, Yasar TK, Magin RL, Royston TJ “Introduction of sample interval modulation for the simultaneous acquisition of 3D displacement data in MR Elastography”, in *Proc. Intl. Soc. Mag. Reson. Med. 21* (Salt Lake City, Utah, USA, April 20 – April 26, 2013)
 - Y. Liu, T. K. Yasar, T. J. Royston, R. L. Magin, “A finite element simulation for wave propagation in magnetic resonance elastography,” BMES Annual Meeting (Atlanta, GA, October 24 – 27, 2012) extended abstract
 - T. K. Yasar, T.J. Royston, R. L. Magin, "A comparison of mechanical wave measurement techniques to quantify soft tissue viscoelasticity up to 8 kHz: a phantom study of shear, Rayleigh and Lamb waves," 164th Meeting of the Acoustical Society of America (Kansas City, MI, October 22 - 26, 2012) invited abstract.
 - M Kotecha, Z Yin, TK Yasar, D Klatt, TJ Royston, RL Magin, “High Field Magnetic Resonance Spectroscopy, Imaging and Elastography for Cartilage Tissue Engineering,” NIH Functional Imaging and Regenerative Medicine Workshop (May 31 – June 1, 2012, Gaithersburg, MD) poster.
 - T. K. Yasar, M. Kotecha, T. J. Royston, R. L. Magin, “High resolution MR Elastography to Monitor Engineered Cartilage Development in mm Size Alginate Beads,” ASME Applied Mechanics & Materials Conference (May 31 – June 2, 2011, in Chicago, IL) abstract.
 - Royston TJ, Yasar TK, Magin RL “Geometric Focusing of High Frequency Shear Waves for Noninvasive High Resolution MR Elastography”, in *Proc. Intl. Soc. Mag. Reson. Med. 19* (Montreal, Quebec, Canada, May 7 – May 13, 2011)
 - Yasar TK, Royston TJ, Magin RL, “Taking MR Elastography (MRE) to the Microscopic Scale (μ MRE),” in *Proceedings of the IEEE International Symposium on Biomedical Imaging: From Nano to Macro* (Chicago, IL, March 30 – April 2, 2011). 6 pages. Refereed and invited.
 - Yasar, T. Kaya Yasar; Tuncer, T. Engin; "Wideband DOA Estimation for Non-uniform Linear Arrays with Wiener Array Interpolation" *Sensor Array and Multichannel Signal Processing Workshop, 2008. IEEE SAM 2008*. 21-24 July 2008
 - Yasar, T. Kaya Yasar; Tuncer, T. Engin; Filik, Tansu, "Direction of Arrival Estimation in Non-Uniform Linear Arrays for Wide Band Signals with Colored Noise," *Signal Processing and Communications Applications, 2008. SIU 2008*. 20-22 April 2008
 - Yasar, T. Kaya Yasar; Tuncer, T. Engin; Filik, Tansu, "Direction of Arrival Estimation in Non-Uniform Linear Arrays for Wide Band Signals," *Signal Processing and Communications Applications, 2007. SIU 2007. IEEE 15th* , vol., no., pp.1-4, 11-13 June 2007
 - Filik, Tansu; Tuncer, T. Engin; Yasar, T. Kaya, "Design of V-shaped Array Geometry," *Signal Processing and Communications Applications, 2007. SIU 2007. IEEE 15th* , vol., no., pp.1-4, 11-13 June 2007
 - T. Engin Tuncer, T. Kaya Yasar, Benjamin Friedlander, “Partly-filled nonuniform linear arrays for DOA estimation in multipath signals”, Int. Conf. on Acoustics Speech and Signal Proc., ICASSP-2007, Honolulu, Hawaii, USA, April 15, 2007
 - Yasar, T. Kaya, Tuncer, T. Engin; “Improvements In DOA Estimation By Array Interpolation In Non-Uniform Linear Arrays” URSI-TURKEY 2006, 6-8 September, pp. 479, Hacettepe University, Ankara, TURKEY
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