

Dr. MIRZA PASOVIC

Assistant Professor, Department of Electrical and Computer Engineering, King Abdulaziz University

Education

<i>Degree</i>	<i>Field of Study</i>	<i>Institution</i>	<i>Year</i>
PhD	Biomedical Engineering	Univeriste Lyon 1 - France	2010
BS/MS	Electrical Engineering	University of Maribor - Slovenia	2006

Academic Experience

<i>From</i>	<i>To</i>	<i>Institution</i>	<i>Rank/Title</i>	<i>Full/Pt Time</i>
2019	Date	King AbdulAziz University	Assistant Professor	Full Time
Jan 2010	June 2010	Univ. of Prague – Czech Republic	Research Assistant	Part Time
July 2010	Dec 2010	INSERM - Lyon - France	Research Assistant	Part Time

Non-Academic Experience

Apr. 2011	Sep. 2012	PETKO Design, Canada	Electrical Engineer
Oct 2012	Dec 2014	VERSANTE Technologies, Canada	Intermediate Electrical Engineer
June 2015	June 2017	NOVADAQ Technologies, Canada	Biomedical Engineer

Funded Research Projects and Patents from The Last Five Years:**Certifications and Professional Registrations:****Current Membership in Professional Societies and Organizations:****Major Honors and Awards****Principal Publications/Presentations**

1. Mirza Pasovic, M. Danilouchkine, Telli Faez, A. W. van der Steen, C. Cachard, O. Basset, and N. de Jong, "Second harmonic inversion for ultrasound contrast harmonic imaging," *Physics in Medicine and Biology*, vol. 56 2011, 3163–3180
2. Mirza Pasovic, M. Danilouchkine, A. W. van der Steen, O. Basset, N. de Jong, and C. Cachard, "Broad band reduction of the second harmonic distortion during the nonlinear ultrasound wave propagation," *Ultrasound in Medicine and Biology*, vol. 36, no. 10, pp. 1568–80, Oct 2010
3. Mirza Pasovic, M. Danilouchkine, A. V. D. Steen, O. Basset, N. D. Jong, and C. Cachard, "Extended angular spectrum method for calculation of higher harmonics," <http://www.hal.inserm.fr/hal-00541728~1/>, April 2010.

4. F. Varray, Mirza Pasovic, C. Cachard, P. Tortoli, and O. Basset, "Acoustic nonlinearity parameter of tissue on echo mode: review and evaluation of the different approaches for b/a imaging." in Proc. IEEE Ultrasonics Symposium IUS 2009, Sep. 22–26, 2007, p. in press
5. Mirza Pasovic, M. Danilouchkine, P. van Neer, A. W. van der Steen, N. de Jong, C. Cachard, and O. Basset, "Angular spectrum method for the estimation of the third harmonics," in Proc. IEEE Ultrasonics Symposium IUS 2009, Sep. 2008, p. in press
6. Mirza Pasovic, G. Matte, A. F. V. D. Steen, N. D. Jong, O. Basset, and C. Cachard, "Influence of the transducer geometry on the phase of the signal used for reducing second harmonic during ultrasound propagation," in *Proc. IEEE Ultrasonics Symposium IUS 2008*, Nov. 2008, pp. 1290–1293
7. Mirza Pasovic, C. Cachard, G. Matte, A. F. V. D. Steen, N. D. Jong, and O. Basset, "Adjusting the phase of the signals transmitted from dual frequency probe for reducing second harmonic during propagation," June 2008, acoustics – Paris
8. Mirza Pasovic, C. Cachard, G. Matte, A. F. V. D. Steen, N. D. Jong, and O. Basset "Local reduction of second harmonic due to ultrasound propagation: Simulation and feasibility," Jan 2008, 13th EUROPEAN SYMPOSIUM ON ULTRASOUND CONTRAST IMAGING JANUARY 2008
9. Mirza Pasovic, C. Cachard, G. Matte, A. F. V. D. Steen, N. D. Jong, and O. Basset, "Preliminary investigation of nonlinear dual frequency mixing technique for the estimation of the nonlinear parameter b/a ," in Proc. 29th Annual International Conference of the IEEE Engineering in Medicine and Biology Society EMBS 2007, Aug. 2007, pp. 2179–2182
10. Mirza Pasovic, C. Cachard, A. F. V. D. Steen, N. D. Jong, and O. Basset, "Imaging b/a: Sound velocity image," in International Congress on Ultrasonics, Apr. 2007
11. Mirza Pasovic, O. Basset, C. Odet, J.-M. Dinten, V. Boudousq, P.-O. Kotzki, and c. P. Fran "Evaluation of radiographic texture analysis for the characterization of 3d bone micro-architecture: influence of spatial resolution," in *3rd European Medical and Biological Engineering Conference-Prague*, November 2005

Recent Professional Development Activities (*Workshops, Trainings etc.*)

1. Dutch acoustics society Mirza Pasovic, M. Danilouchkine, P. van Neer, C. Cachard, O. Basset, A. W. van der Steen, and N. de Jong, "Angular spectrum method for super harmonics," May 2009, voorjaarsvergadering SUGB
2. WARTHE project Presentation of 6 months work as researcher at Czech Technical University in Lisbon PORTUGAL