

PUBLICATIONS LIST OF UME IN THE AUV FIELD

1. A.Shaw, B.Karaböce, Y.Gülmez, S.Rajagapol, **Instantaneous Input Electrical Power Measurements of HIFU Transducer**, In Proceedings of Advanced Metrology for Ultrasound in Medicine Conference (AMUM), Teddington, United Kingdom, 12-14 May 2010
2. K.V.Jenderka, G.Durando, B.Karaboce, S.Rajagopal, A.Shaw, **Interlaboratory Comparison of HITU Power Measurement Capabilities**, In Proceedings of Advanced Metrology for Ultrasound in Medicine Conference (AMUM), Teddington, United Kingdom, 12-14 May 2010
3. B.Karaböce, E.Sadıkoğlu, E.Bilgiç, **Ultrasound Power Measurements of HIFU Transducer with a More Stable Radiation Force Balance**, In Proceedings of Advanced Metrology for Ultrasound in Medicine Conference (AMUM), Teddington, United Kingdom, 12-14 May 2010
4. B. Karaböce, E. Sadıkoğlu, E. Bilgiç, **Characterization of HITU Transducers Used for External Beam Cancer Therapy**, In Proceedings of 3rd National Congress on Medical Devices Manufacturing, Samsun, Turkey, 6-7 November 2009, pp. 155-159 (in Turkish)
5. H.-M. Kramer, J.-M.Bordy, E. Van Dijk, J.Dobrovodsky, S.Duane, G.Durando, R.-P. Kapsch, B.Karaboce, Ch.Koch, A.Kosunen, M.Pimpinella, A.Shaw, **Metrology in External Beam Cancer Therapy**, In Proceedings of 14th International Congress of Metrology, Paris, France, 22-25 June 2009
6. E.Bilgiç, E.Sadıkoğlu, B.Karaböce, C.Kırbaş, A.İ.Turan, **Primary Accelerometer Calibration in UME by Sine Approximation Method**, In Proceedings of XIX IMEKO World Congress Fundamentals and Applied Metrology, Lisbon, Portugal, 6-11 September 2009
7. B.Karaböce, E.Sadıkoğlu, E.Bilgiç, C.Kırbaş, A.İ.Turan, **HITU Transducers, Their Characterization and Application Areas**, In Proceedings of 8th National Acoustics Congress, Kemer – Antalya, Turkey, 27-28 November 2008 (in Turkish)
8. E.Bilgiç, E.Sadıkoğlu, B.Karaböce, C.Kırbaş, A.İ.Turan, **Calibration of Vibration Pick-ups by Sine Approximation Method**, In Proceedings of 8th National Acoustics Congress, Kemer – Antalya, Turkey, 27-28 November 2008 (in Turkish)
9. C.Kırbaş, E.Sadıkoğlu, E.Bilgiç, B.Karaböce, A.İ.Turan, **Measurement of Sound Absorption Coefficient by MLS Technique**, In Proceedings of 8th National Acoustics Congress, Kemer – Antalya, Turkey, 27-28 November 2008 (in Turkish)
10. E.Bilgiç, C.Kırbaş, E.Sadıkoğlu, B.Karaböce, A.İ.Turan, **Coherence Between Sound Power Measurements Performed in Full Anechoic and Reverberant Environments**, Proceedings of The 36th International Congress on Noise Control Engineering, İstanbul, Turkey, 28-31 August 2007
11. C.Kırbaş, E.Sadıkoğlu, E.Bilgiç, B.Karaböce, A.İ.Turan, **The Influence of Various Parameters on Sound Absorption Coefficient Measurements in the Reverberation Room**, Proceedings of The 36th International Congress on Noise Control Engineering, İstanbul, Turkey, 28-31 August 2007
12. B.Karaböce, E.Sadıkoğlu, E.Bilgiç, C.Kırbaş, A.İ.Turan, M.Arifoviç, **Comparison of Voltage Measurement Techniques in Radiation Conductance Calculations of Ultrasonic Power Transducer**, Proceedings of The 36th International Congress on Noise Control Engineering, İstanbul, Turkey, 28-31 August 2007

13. E.Sadıkoğlu, E.Bilgiç, B.Karaböce, C.Kırbaş, A.İ.Turan, **Overview of Methods for Calibration of Vibration Pick-ups**, Proceedings of The 36th International Congress on Noise Control Engineering, İstanbul, Turkey, 28-31 August 2007
14. E.Sadıkoğlu, E.Bilgiç, B.Karaböce, C.Kırbaş, **The Current Status of Acoustical Metrology in Turkey**, Journal of Metrology Society of India, vol.22, No.2, 2007, pp.129-132
15. B.Karaböce, E.Sadıkoğlu, E.Bilgiç, C.Kırbaş, A.İ.Turan, A. Çolak, **Characterization of Piezoceramics Based Underwater Electroacoustical Transducers**, Proceedings of III International Workshop on Piezoelectric Materials and Applications in Actuators, 18-21 June 2006, Eskişehir, Turkey, p.67
16. E.Bilgiç, E.Sadıkoğlu, B.Karaböce, C.Kırbaş, A.İ.Turan, A. Çolak, **Low Frequency Calibration of Hydrophones by Self-mixing Interferometry at UME**, Proceedings of 7th International Conference on Vibration Measurements by Laser Techniques, 19-22 June 2006, Ancona, Italy
17. C.Kırbaş,, E.Sadıkoğlu, E.Bilgiç, B.Karaböce, A.İ.Turan, Ş.Erkoç, **A Simplified Theoretical Approach to Condenser Microphone Behaviour**, Proceedings of 6th European Conference on Noise Control (Euronoise 2006), 30 May - 1 June 2006, Tampere, Finland
18. B.Karaböce, E. Sadıkoğlu, E. Bilgiç, **Realization of National Ultrasonic Power Standard**, Proceedings of The 2005 International Congress and Exposition on Noise Control Engineering, Rio de Janeiro, Brazil, 07-10 August 2005, session UL2: Ultrasound
19. E.Sadıkoğlu, C.Kırbaş, E.Bilgiç, B.Karaböce, A.İ.Turan, **Realization and Characterization of Omnidirectional Sound Sources**, Proceedings of The 2005 International Congress and Exposition on Noise Control Engineering, Rio de Janeiro, Brazil, 07-10 August 2005, session MT1: Metrology
20. E.Sadıkoğlu, E.Bilgiç, B.Karaböce, **Laser Pistonphone Based On Self-Mixing Interferometry**, Applied Acoustics, vol. 65 (9), 2004, pp. 833 - 840
21. E.Sadıkoğlu, E.Bilgiç, B.Karaböce, **Characterization of Commercial Type Vibration Exciters by Self-Mixing Interferometry**, Proceedings of 6th International Conference on Vibration Measurements by Laser Techniques, Ancona, Italy, SPIE Vol. 5503, pp.598 – 601, 2004
22. E.Sadıkoğlu, B.Karaböce, E.Bilgiç, C.Kırbaş, A.İzzet Turan, **Bilateral Comparison of Ultrasonic Power Standards Between UME and PTB**, Technical Report, 2003-ASL-001, 2003
23. E.Bilgiç, E.Sadıkoğlu, B.Karaböce, **Laser Pistonphone as an Alternative Tool for Microphone Absolute Calibration at Low Frequencies**, Proceedings of 5th International Conference on Vibration Measurements by Laser Techniques, June 2002, Ancona, Italy, SPIE Vol. 4827, pp. 74 - 79
24. E.Sadıkoğlu, E.Bilgiç, B.Karaböce, **Realization and Dissemination of Linear Acceleration Unit at UME**, Proceedings of 5th International Conference on Vibration Measurements by Laser Techniques, June 2002, Ancona, Italy, SPIE Vol. 4827, pp. 288 –292
25. E.Bilgiç, B.Karaböce, S.Fank, E.Sadıkoğlu, **Influence of Mechanical Vibration on Strain Gauge Based Force Transducer Performance**, Proceedings of IMEKO TC3-Coneference, İstanbul, Turkey, 2001, pp. 112-116

26. E.Sadikhov, E.Bilgiç, B.Karaböce, C.Kırbaş, **Investigation of Condenser Microphone Diaphragm Vibration**, Proceedings of Inter-noise 99 Conference, FORT-LAUDERDALE, 1999, pp.1485 - 1490
27. R.Gamidov, E.Sadikhov, M.Çetintaş, **Optical Feedback in Diode Laser for Sound Pressure Measurement**, Proceedings of 3rd International Conference on Vibration Measurements by Laser Techniques, Ancona, Italy, SPIE Vol. 3411, pp.624-629, 1998
28. Gamidov R., Çetintaş M., Sadikov E., Sautenkov V., **Diode Lasers with External Optical Feedback for Small Displacement Measurements**, Proceedings of CPEM 96, Braunschweig, Germany, 17-20 June 1996, pp. 126-127