Central Office of Measures

List of publications in 2009 - 2019

1. MLYNSKA A., DOBROWOLSKA D., A measurement study of IEC 60318-1 ear simulators being in use in Poland and the influence of their acoustic parameters on hearing tests and assessment, *Bezpieczenstwo Pracy*, **5**, 24 – 27, 2019 (in Polish)
2. LISTEWNIK K., A design of an acoustic coupler for calibrate hydrophones at low frequencies, *Proc. of 66th Open Seminar on Acoustics (OSA), Polish Acoustical Society*, Boszkowo, 2019
3. KOLASA J., SIEJDA Z., The methodology and measurement setup for calibration of transducers used for tests and assessment of mechanical shocks, *Proc. of 18th International Conference on Noise Control*, Janów Podlaski 2019 (in Polish)
4. MLYNSKA A., DOBROWOLSKA D., Acoustic Parameters of IEC 60318–1 Ear Simulators: A Comparison of Measurement Methods, *Proc. of Joint Conference - Acoustics, Polish Acoustical Society*, Ustka, 2018, https://ieeexplore.ieee.org/document/8502398
5. LISTEWNIK K., DOBROWOLSKA D., Development of metrological infrastructure in the field of underwater acoustics in Poland, *Proc. of Joint Conference - Acoustics, Polish Acoustical Society*, Ustka, 2018, https://ieeexplore.ieee.org/document/8502435
6. DOBROWOLSKA D., KOLASA J., Activities of the Central Office of Measures - National Metrology Institute in Poland, in the field of acoustics and vibrations against the background of social and economic needs of Poland, *Proc. of 13th Scientific and Technical Conference on Problems and Progress in Metrology*, Szczyrk 2018 (in Polish)
7. SIEJDA Z., Capabilities of the Central Office of Measures - National Metrology Institute in Poland, in the scope of calibration of apparatus for measuring mechanical impacts, *Proc. of 46th Winter School on Environmental Acoustics and Vibroacoustics*, Polish Acoustical Society, Gliwice-Szczyrk 2018 (in Polish)
8. MLYNSKA. A., DOBROWOLSKA D., WIATER M., The methods and instrumentation used for calibration of sound calibrators at the Central Office of Measures - National Metrology Institute in Poland, *Proc. of 64th Open Seminar on Acoustics (OSA), Polish Acoustical Society*, Gliwice, 2017 (in Polish)
9. SIEJDA Z., Measurement of transverse sensitivity of vibration transducers, *Proc. of 19th Scientific Conference VibroTech*, Warszawa-Pruszków, 2017 (in Polish)
10. KOLASA J., SIEJDA Z., Calibration of vibration measuring equipment in the low frequency range in the Central Office of Measures, *Proc. of 16th International Conference on Noise Control*, Gniew, 2016 (in Polish)
11. DOBROWOLSKA D., BUGALSKI M., MLYNSKA A., Periodic tests of tympanometers – a way to assure measurement traceability and reliability of audiological tests, *Bezpieczenstwo Pracy*, 5(536), (2016), 40-43 (in Polish)
12. DOBROWOLSKA D., BUGALSKI M., MLYNSKA A., The methods of secondary pressure calibration of measurement microphones realized at the Central Office of Measures - National Metrology Institute in Poland, *Proc. of 62th Open Seminar on Acoustics (OSA)*, Polish Acoustical Society, Wrocław – Swieradow, 2015 (in Polish)
13. DOBROWOLSKA D., WIATER M., The realization of the primary standard for sound pressure at the Central Office of Measures - National Metrology Institute in Poland, *Proc. of 7th Forum Acusticum*, Krakow, 2014

14. DOBROWOLSKA D., The apparatus intended for measurement of ultrasonic noise and the capabilities of its traceable calibration, *Proc. of 16th International Conference on Noise Control*, Ryn, 2013 (in Polish)

15. DOBROWOLSKA D., The influence of apparatus parameters on the uncertainty of ultrasonic noise measurement, *Proc. of 16th International Conference on Noise Control*, Ryn, 2013 (in Polish)

16. MOSZCZYNSKI L, BIELSKI T., Development of analytical method for calculation the expanded uncertainty in convolution of rectangular and Gaussian distribution, *Measurement*, 46, (2013), 1896 - 1903

17. BARHAM R., ZMIERCZAK T., JACKET R., An alternative approach to the measurement of the acoustic transfer impedance of the IEC 60318-1 ear simulator, *Metrologia*, 49, (2012), 321-326

18. DOBROWOLSKA D., The methods of accounting for the influence of sound level meter parametrs on the uncertainty of the measurement of noise describing quantities, *Proc. of 58th Open Seminar on Acoustics (OSA)*, Polish Acoustical Society, Jurata – Gdansk, 2011 (in Polish)

19. DOBROWOLSKA D., Calibration of audiometers – formal requirement or reasonable necessity, *Proc. of 15th International Conference on Noise Control*, Książ – Wrocław, 2010 and *Proc. of 38th Winter School on the Control of Acoustical and Vibration Hazards*, Polish Acoustical Society, Gliwice-Szczyrk, 2010 (in Polish)

20. KOLASA J., Calibration of human vibration meters according to the new standard PN-EN ISO 8041:2008, *Proc. of 38th Winter School on the Control of Acoustical and Vibration Hazards*, Polish Acoustical Society, Gliwice-Szczyrk, 2010 (in Polish)

21. DOBROWOLSKA D., WĄSALA T., ZMIERCZAK T., Low-frequency pressure chamber system for determination of low-frequency response of acoustic measuring equipment, *Proc. of 16th International Congress on Sound and Vibration*, Kraków, 2009

22. DOBROWOLSKA D., WĄSALA T., ZMIERCZAK T., Calibration of acoustic measuring equipment in low-frequency range, *Proc. of 37th Winter School on the Control of Acoustical and Vibration Hazards*, Polish Acoustical Society, Gliwice-Korbielów, 2009 (in Polish)