

Joint List of Publications from DFM and BKSV-DPLA

List of publications from 2017 - 2023

24. oktober 2023

Refereed publications

Jacob H. Winther, Martin Brucke, Martin Thalbitzer Andersen and T. R. Licht, RECENT STUDY IN PRIMARY ACCELEROMETER CALIBRATION - PROGRESS, DEVELOPMENT AND LESSONS LEARNED, IMEKO 24th TC3, 14th TC5, 6th TC16 and 5th TC22 International Conference 11 – 13 October 2022, Cavtat-Dubrovnik, Croatia

Jacob H. Winther, T. R. Licht and Thalbitzer Andersen, *PROGRESS IN THE REALISATION OF ULTRA- LOW FREQUENCY CALIBRATIONS XXIII IMEKO World Congress "Measurement: sparking tomorrow's smart revolution", August 30 – September 3, 2021, Yokohama, Japan*

Jacob H. Winther, Henrik Ingerslev and Søren Andresen, *DIGITAL SIGNAL PROCESSING FUNCTIONS FOR ULTRA- LOW FREQUENCY CALIBRATIONS, IMEKO 24th TC3, 14th TC5, 6th TC16 and 5th TC22 International Conference 2020-05-05 – 2020-05-07, Cavtat-Dubrovnik, Croatia – (postponed)*

S. Barrera-Figueroa, *Free-field reciprocity calibration of measurement microphones at frequencies up to 150 kHz*, Journal of the Acoustical Society of America 144(4), pp 2575-2583, doi: 10.1121/1.5063815, (2018).

Ch. N. Christensen, Y. Zainchkovskyy, S. Barrera-Figueroa, A. Torras-Rosell, G. Marinelli, K. Sommerlund-Thorsen, J. Kleven, K. Kleven, E. Voll, J. Petersen, and M. Lassen, *"Simple and robust speckle detection method for fire and heat detection in harsh environments,"* Applied Optics 58(28), pp. 7760-7765, <https://doi.org/10.1364/AO.58.007760>, (2019).

Conference papers

Erling Sandermann Olsen, *Extension of reciprocity calibration of microphones to frequencies below 1 Hz*, EGU General Assembly 2023, Vienna, Austria, 23–28 Apr 2023, EGU23-13793, <https://doi.org/10.5194/egusphere-egu23-13793>, 2023.

Klaus, L., Larsonnier, F., Winther, J. H., Schwaradt, M., Kobusch, M., and Bruns, T.: Traceable Calibration of Seismometers, EGU General Assembly 2023, Vienna, Austria, 23–28 Apr 2023, EGU23-13404, <https://doi.org/10.5194/egusphere-egu23-13404>, 2023.

Erling Sandermann Olsen. *Next steps in development of transfer impedance calculation of couplers for reciprocity calibration of laboratory standard microphones*, Forum Acusticum, Dec 2020, Lyon, France. pp.2233-2239, ff10.48465/fa.2020.1023ff. fahal-03231903

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Jacob H. Winther and Torben R. Licht, *Primary calibration of Reference Standard back-to-back vibration transducers using modern calibration standard vibration exciters*, IMEKO 23rd TC3, 13th TC5 and 4th TC22 International Conference, 2017, Helsinki, Finland

S. Barrera-Figueroa, V. Cutanda Henríquez, and A. Torras-Rosell, *Environmental coefficients of the free-field sensitivity of measurement microphones*, Internoise 2017, Hong Kong, 2017.

V. Cutanda Henríquez, S. Barrera-Figueroa, and P. R. Andersen, *Boundary Element Method with Viscous and Thermal Losses: A Calibration Microphone Test Case*, 13th International Conference on Theoretical and Computational Acoustics, Vienna, Austria, 2017.

S. Barrera-Figueroa, *Pressure calibration of WS3 microphones*, International Congress on Sound and Vibration, 2018.

S. Barrera-Figueroa, *Establishing traceability for airborne ultrasound measurements*, Euronoise 2018.

S. Barrera-Figueroa, *Making pressure calibration easier – strategies for calibration of measurement microphones*, 48th International Congress and Exhibition on Noise Control Engineering (Internoise 2019), Madrid, Spain

M. Enge, C. Hof, S. Barrera-Figueroa, *Establishing new types of LS2P microphones as reference standards*, 48th International Congress and Exhibition on Noise Control Engineering (Internoise 2019), Madrid, Spain

V. Cutanda-Henríquez, P. Møller-Juhl, S. Barrera-Figueroa, *Modeling of measurement condenser microphones at low frequencies: numerical issues*, 48th International Congress and Exhibition on Noise Control Engineering (Internoise 2019), Madrid, Spain

P. Møller-Juhl, V. Cutanda-Henríquez, S. Barrera-Figueroa, *On the modelling of cavities at low frequencies with the BEM*, 48th International Congress and Exhibition on Noise Control Engineering (Internoise 2019), Madrid, Spain

S. A. Verburg, E. Fernández-Grande, S. Barrera-Figueroa, *Acousto-optic sensing of the sound field in a lightly damped room*, 48th International Congress and Exhibition on Noise Control Engineering (Internoise 2019), Madrid, Spain

S. Barrera-Figueroa, *Completing the Traceability Chain for Airborne Ultrasound*, The 23rd International Congress on Acoustics 2019 (ICA 2019), Aachen, Germany.

S. Barrera-Figueroa, A. Biber, A. C. Çorakçı, A. Golick, S. Robinson, G. Hayman, J. Ablitt, S. Buogo, S. Mauro, F. Borsani, S. Curcuruto, M. Linné, P. Sigray, P. Davidsson, *Designing a comparison coupler for low-frequency calibration of hydrophones in air*, 2019 IMEKO TC-19 International Workshop on Metrology for the Sea (METROSEA), Genoa, Italy.