

Publication list from 2009 to 2010 on acoustics & ultrasound

- [1] YANG Ping, ZHU Haijiang 2010 Influence of Transducer Focus Position and Signal Length in Backscatter Coefficient Measurement for Blood Mimicking Fluid (in English) 2010 IEEE 502-505
- [2] CAO Yuwen, ZHU Haijiang, YANG Ping 2010 Ultrasonic Time of Flight Diffraction Defect Recognition based on Edge Detection (in English) 2010 IEEE 318-321
- [3] ZHONG Bo, XU Huan, SUN Qingsheng, HE Longbiao 2010 An automatic calibration system for frequency weighting functions of sound level meter (in English) *IEEE International Conference on Mechatronics and Automation (ICMA)* 401-405
- [4] YANG Ping and ZHU Haijiang 2010 Measurement of Ultrasonic Backscatter Coefficient in Tissue-Mimicking Material (in Chinese) *ACTA ELECTRONICA SINICA* 38 (5) 998-1001
- [5] YANG Ping 2010 Calibration application of the blood velocity for the B mode diagnostic equipment (in Chinese) *Measurement Technology* 2010 (002) 39-42
- [6] YANG Ping, BIAN Wenping, ZHU Yan, 2010 Characteristic Study of the Focus of Ultrasonic Phased Linear Array System (in Chinese) *ACTA METROLOGICA SINICA* 31(1) 32-35
- [7] LI Ying and ZHONG Bo 2010 Design and Implementation of Pure-tone Signal Generator in Audiometer (in Chinese) *Computer Measurement & Control* 18(3) 721-722
- [8] HE Long-biao, XU Huan, NIU Feng, etc. 2010 Study on the Measurement of the Front Cavity Volume of the Laboratory Standard Microphone (in Chinese) *ACTA METROLOGICA SINICA* 2010 31(2) 97-100
- [9] HE Long-biao, ZHONG Bo, XU Huan, etc. 2010 Measurement of Front Cavity Depth of Laboratory Standard Microphone by Optical Method (in Chinese) *ACTA METROLOGICA SINICA* 31(3) 249-253
- [10] HE Longbiao, LI Luming, WU Minsheng. 2010 The acoustic characteristics of high frequency modulated arc and its application in welding structure refinement (in Chinese) *Applied Acoustics* 29(3) 222-226

Publication list from 2009 to 2010 on vibration & shock

- [1] Qiao Sun and Aidong Liu 2010 Final report on the key comparison APMP.AUV.V-K1.2 (in English) *Metrologia Tech. Suppl.* 47 09004
- [2] Qiao Sun, Thomas Bruns, Angelika Taubner, Lifeng Yang, Aidong Liu and Aibing Zuo 2009 Modifications of the sine-approximation method for primary vibration calibration by heterodyne interferometry (in English) *Metrologia* 46 646-654
- [3] Chenguang Cai, Yang Liu, Yanan Han, Quayle Chen, Antti Salo, Leon Xu 2009 FEA Based Design Optimization of Exciting Sensitivity for Micromachined Piezoelectric Transducer (in English) *EuroSimE 2009 10th IEEE international conference on Thermal, Mechanical and Multiphysics Simulation and Experiments in Micro-Electronics and Micro-Systems*
- [4] YU Mei 2010 Research Review on Measurement and Evaluation Methods of Environmental Vibration for Precision Instruments (in Chinese) *Journal of Vibration and Shock* 29(8) 214-216
- [5] LIU Aidong, YU Mei and MA Mingde 2010 Development of the Low-frequency Vibration Standard Combination (in Chinese) *ACTA METROLOGICA SINICA* 31(3) 238-240
- [6] HU Hongbo 2010 Application of Virtual Instrument Technology for Shock Testing (in Chinese) *Measurement Technology* 430(6) 22-24
- [7] YU Mei 2009 Research and Application on the Vibration Isolation Technique of the vibration standard devices (in Chinese) *ACTA METROLOGICA SINICA* 30(4) 328-331
- [8] LIU Aidong and YU Mei 2009 Study and Implementation of the Auto-calibration System of Vibration (in Chinese) *ACTA METROLOGICA SINICA* 30(2) 141-143
- [9] YU Mei, YANG Lifeng, LIU Aidong and ZUO Aibin 2009 Application Research on the Laser Vibrometer in Calibration of Vibration Standard Devices (in Chinese) *Measurement Technology* 414(2) 52-55
- [10] HU Hongbo and YU Mei 2009 Study of Velocity Feedback Control for the Standard of National Low-Frequency Vibration Exciter (in Chinese) *Measurement Technology* 414(2) 20-22