

## Recent publications of the KRISS in AUV

1. S.H. Shin, Y.B. Lee, S.S. Jung, and D.H. Lee, "Determination of the Young's modulus and loss factor by acoustic bending vibration methods," *Key Engineering Materials Vols.* 297-300, pp. 1958-1961 (2005)
2. S.S. Jung, Y.T. Kim, Y.B. Lee, S.H. Shin, D. Kim, and H.C. Kim, "Measurement of the resonance frequency, the loss factor, and the dynamic Young's modulus in structural steel and polycarbonate by using an acoustic velocity sensor," *J. Korean Phys. Soc.*, Vol. 49, No. 5, pp. 1961-1966 (2006)
3. S.S. Jung, Y.T. Kim, Y.C. Pu, M.G. Kim, and H.C. Kim, "Non-contact sound speed measurement by optical probing of beam deflection due to sound wave," *Ultrasonics* Vol. 44 pp. 12-16 (2006)
4. H.-S. Kwon, S.-J. Suh, and J.-G. Suh, "Frequency windowing technique for reducing multi-path noise in free-field reciprocity microphone calibration method," *Key Eng. Materials, Vols.* 321-323, pp. 1245-1248 (2006)
5. H.-S. Kwon, "Multi-reference scan-based nearfield acoustical holography," *Key Eng. Materials, Vols.* 321-323, pp. 1249-1252 (2006)
6. S.S. Jung, S.I. Cho, Y.T. Kim, C.U. Cheong, and H.C. Kim, "Image reconstruction of blockage in the continues and stepped pipelines by noninvasive acoustic method," *Key Engineering Materials Vols.* 321-323, pp. 1640-1643 (2006)
7. S.S. Jung, Y.T. Kim, C.U. Cheong, H.C. Kim, and W.S. Lee, "Noise barrier with top cylindrical tubes," *J. Korean Phys. Soc.*, Vol. 49, No. 1, pp. 145-149 (2006)
8. S.S. Jung, Y.T. Kim, D.H. Lee, H.C. Kim, S.I. Cho, and J.K. Lee, "Sound absorption of micro-perforated panel," *J. Korean Phys. Soc.*, Vol. 50, No. 4, pp. 1044-1051 (2007)
9. Y.-T. Cho, J. S. Bolton, H.-S. Kwon, and Y.-J. Kim "Holographic visualization of multi-component sources by using reference measurements only," *Noise Control Eng. J.*, Vol. 55, No. 2, pp. 257-265 (2007)
10. D.-B. Yoon, J.-H. Park, Y.-C. Choi, H.-S. Kwon, and J.-H. Lee, "Enhancement of impact mass estimation algorithm for a plate type structure," *Materials Transactions*, Vol. 48 No. 6, pp. 1249-1253 (2007)
11. H.-S. Kwon, and K.-C. Lee, "Double-chip condenser microphone for rigid backplate using DRIE and wafer bonding technology," *Sensors & Actuators: A Physical*, Vol. 138, pp. 81-86 (2007)
12. Yong-Bong Lee, Ho Chul Kim and Seung-Woo Kim, "Determination of the sensitivity phase of an accelerometer based on an analysis of the harmonic components of the interferometer signal," *Meas. Sci. Tech.* Vol. 19, 045204 (10pp) (2008)
13. S.S. Jung, Y.T. Kim, Y.B. Lee, S.I. Cho, and J.K. Lee, "Measurement of sound transmission loss by using impedance tubes," *J. Korean Phys. Soc.*, Vol. 53, No. 2, pp. 596-600 (2008).