

Recent Publications
GEORGE R. WODICKA

Serial Journal Regular Articles

- [1] Kraman, Steve S., Wodicka, George R., Pressler, Gary A., and Pasterkamp, Hans, "Comparison of Lung Sound Transducers using a BioAcoustic Transducer Testing System," *Journal of Applied Physiology*, 101: 469-476, 2006.
- [2] Zanarta, M., Mongeau, L., and Wodicka, G.R., "Influence of acoustic loading on an effective single mass model of the vocal folds," *Journal of the Acoustical Society of America*, 121(2): 1119-1129, 2007.
- [3] Fiz, J.A., Gnitecki, J., Kraman, S., Wodicka, G.R., and Pasterkamp, H., "Effect of Body Position on Lung Sounds in Healthy Young Men," *Chest*, 133(3): 729-736, 2008.
- [4] M. Zañartu, J. C. Ho, S. Kraman, H. Pasterkamp, J. E. Huber and G. R. Wodicka, "Air-borne and tissue-borne sensitivity of acoustic sensors used on the skin surface," *IEEE Transactions on Biomedical Engineering*, accepted for publication, August 2008.

Conference Proceedings and Presentations

- [1] Kyle, A.M., Wodicka, G.R., Ordonez, S.L., Juan, E.J., Bolton, J.S., "Wave propagation in liquid-filled tubes: Measurements and model predictions," Acoustical Society of America Meeting, Providence, *J. of Acoustical Society of America*, 199(5): 3410, 2006.
- [2] Zanartu, M.S., Mongeau, L., Wodicka, G.R., "Modeling the influence of acoustic loading on laryngeal self-sustaining oscillations," Acoustical Society of America Meeting, Providence, *J. of the Acoustical Society of America*, 119(5):3300, 2006.
- [3] Albors, G.O., Kyle, A.M., Wodicka, G.R. and Juan, E.J., "Computer simulation tool for predicting sound propagation in air-filled tubes with acoustic impedance discontinuities," 29th IEEE EMBS Conference, Lyon, 2007.
- [4] Kyle, A.M., Albors, G.O., Wodicka, G.R. and Juan, E.J., "Sound propagation in liquid-filled arterial segments: Measurements and model predictions," 29th IEEE EMBS Conference, Lyon, 2007.
- [5] Zañartu, M., Mongeau, L. and Wodicka, G.R., "Exploring the role of fluid-sound interactions during phonation using an effective single mass model of the vocal folds," The Voice Foundation's 36th Annual Symposium: Care of the Professional Voice, Philadelphia, PA, June 2007.
- [6] Zañartu, M., Hillman, R.E. and Wodicka, G.R., "Using skin acceleration overlying the suprasternal notch to monitor phonation," (Poster) First International Symposium on Audible Acoustics in Medicine and Physiology, West Lafayette, IN, September 2008.
- [7] Zañartu, M., Ho, J.C., Kraman, S., Pasterkamp, H., Huber, J.E. and Wodicka, G.R., "Air-borne and tissue-borne sensitivity of skin radiation acoustic sensors", *Journal of the Acoustical Society of America*, Acoustics'08, Paris, France, 2008.

Pending Publications

- [1] M. Zañartu, J.C. Ho , D.D. Mehta, R.E. Hillman, and G.R. Wodicka, "An impedance-based inverse filtering scheme with glottal coupling," *Journal of the Acoustical Society of America*, submitted for publication, January 2009.