

CURRICULUM VITAE

Yu-Hsiang Wu

PERSONAL DATA

University Address: Department of Communication Sciences and Disorders
B1 WJSHC
University of Iowa
Iowa City, IA 52242
Office Phone: 319-384-4549
Email: yu-hsiang-wu@uiowa.edu

EDUCATIONAL AND PROFESSIONAL HISTORY

Higher Education

2007 Ph.D. University of Iowa, Speech and Hearing Science
1994 M.D. National Taiwan University, Medicine

Professional and Academic Position

2009 - Present Assistant Research Scientist
Department of Communication Sciences and Disorders
University of Iowa

2007 – 2009 Post-Doctoral Fellow
Department of Communication Sciences and Disorders
University of Iowa

2006 - 2007 Teaching Assistant for Neuroscience
Teaching Assistant for Instrumentation
University of Iowa

2003 - 2006 Research Assistant
Hearing Aid Laboratory for Basic & Applied Research
Department of Communication Sciences and Disorders
University of Iowa

2001 - 2003 Otolaryngologist
Tsu-Chi General Hospital
Chiayi, Taiwan

2000 - 2001 Otolaryngologist
En Chu Kong Hospital
Taipei, Taiwan

1996 - 2000 Otolaryngology Residency
National Taiwan University Hospital

Taipei, Taiwan

1994 - 1996 Medical Officer
Coast Guard
Taichung, Taiwan

Grant

2006 Student Research Grant in Audiology
Agency: ASH Foundation
Title: Impact of visual cues on directional benefit and preference
The goal of this project was to determine the effect of visual cues on benefit provided by the directional microphone hearing aid in the laboratory and in the real world.
Role: Principle Investigator

2008 Rehabilitation Engineering Research Center on Hearing Enhancement
Agency: Department of Education/National Institute on Disability and Rehabilitation Research (NIDRR) (CFDA number: 84.133E-1)
Title: Directional microphones: A systematic evaluation of directional microphones in natural environments
The goal of this project is to investigate the effects of reverberation and noise level on efficacy and effectiveness of the directional microphone hearing aid.
Role: Co-principle Investigator

Award and Scholarship

2008 Mentored Student Research Award, America Auditory Society

2006 Student Scholarship Award, International Hearing Aids Research Conference (IHCON)

2006 Kenneth T. Key Scholarship, University of Iowa

Publications or Creative Works

Journal

Wu, Y.H. (In press). The effect of age on directional microphone hearing aid benefit and preference. Journal of the American Academy of Audiology.

Wu, Y.H., Bentler, R.A. (Submitted). Impact of visual cues on directional benefit and preference: Part 1 - laboratory tests. Ear Hear.

Wu, Y.H., Bentler, R.A. (Submitted). Impact of visual cues on directional benefit and preference: Part 2 - field tests. Ear Hear.

Wu, Y.H., Bentler, R.A. (Conditionally accepted). Using a signal cancellation technique involving impulse response to assess directivity of hearing aids. Journal of the Acoustical Society of America

Mueller H.G., Bentler, R.A., Wu, Y.H, (2008). Prescribing maximum hearing aid output: Differences among manufacturers found. Hearing Journal, 61(3), 30-36.

Bentler, R.A, Wu, Y.H., Kettel, J., Hurtig, R. (2008). Digital Noise Reduction: Outcomes from laboratory and field studies. International Journal of Audiology, 47 (8), 447-460.

Wu, Y.H., Bentler, R.A. (2007). Using a signal cancellation technique to assess adaptive directivity of hearing aids. Journal of the Acoustical Society of America, 122(1):496-511.

Bentler, R.A., Wu, Y.H., Jeon, J. (2006). Effectiveness of directional microphones in open-canal fittings. Hearing Journal, 59(11), 40-47.

Book Chapter

Bentler, R.A., Wu, Y.H. (2009). Developments in hearing aid technology and verification techniques. In Montana, J.J., Spitzer, J.B (Eds.), *Advanced Practice in Adult Audiologic Rehabilitation*. San Diego: Plural Publishing Inc

Poster/Presentations

Wu, Y.H., Bentler, R.A. Impact of visual cues on directional benefit and preference. Annual Meeting of the American Auditory Society, Scottsdale, AZ, March, 2008

Wu, Y.H., Bentler, R.A. Using a signal cancellation technique with impulse responses to assess adaptive directivity of hearing aids. International Hearing Aid Research Conference, Lake Tahoe, CA, August, 2006.

Wu, Y.H., Bentler, R.A. Using a signal cancellation technique to assess adaptive directivity of hearing aids. Annual Convention of the American Academy of Audiology, Minneapolis, MN, April, 2005

Stiles, D., Wu, Y.H., Bentler, R.A. Polar responses in adaptive directional hearing aids. Annual Convention of the American Academy of Audiology, Minneapolis, MN, April, 2005.

Wu, Y.H., Bentler, R.A. New Norms for abbreviated profile of hearing aid benefit (APHAB)? Annual Meeting of the American Auditory Society, Scottsdale, AZ, March, 2004