

Curriculum Vitae
CHARISSA R. LANSING

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I. PERSONAL HISTORY AND PROFESSIONAL EXPERIENCE

A. Educational Background

University of Illinois at Urbana-Champaign; Bachelor of Science, Speech Correction; 1971.

University of Illinois at Urbana-Champaign; Master of Arts, Speech Pathology, 1972.

The University of Iowa, Iowa City; Doctor of Philosophy in Speech Pathology and Audiology, 1984.

B. Academic Positions since Final Degree

1986-1990 Assistant Research Scientist (postdoctoral), NIH (NINCDS) Program project on Cochlear Implants. Aural Rehabilitation Project, Department of Otolaryngology, The University of Iowa, Iowa City, Iowa.

1990-1996 Assistant Professor, Department of Speech and Hearing Science, University of Illinois at Urbana-Champaign, Champaign, Illinois.

1995-2001 Beckman Institute Affiliate, Human Perception and Performance Group, University of Illinois at Urbana-Champaign, Urbana, Illinois.

1996- Associate Professor, Department of Speech and Hearing Science, University of Illinois at Urbana-Champaign, Urbana, Illinois.

2001- Associate Professor, Faculty Beckman Institute, Human Perception and Performance Group, part-time status.

C. Other Professional Employment

1972-75 Lecturer, Speech Pathologist, Rochester Institute of Technology, The National Institute for the Deaf, Rochester, NY.

1976 Visiting Speech Pathologist - H. F. Verwoerd Hospital, Department of Speech and Hearing, Pretoria, Republic of South Africa.

- 1977-78 Speech and Hearing Clinician/Speech Pathologist, New York League for the Hard of Hearing, New York, NY.
- 1978-79 Lecturer, Speech Pathology and Audiology, State University of New York, College at Fredonia, Fredonia, NY.
- 1979-82 Research/Teaching Assistantship, Department of Speech Pathology and Audiology, The University of Iowa, Iowa City, Iowa.
- 1983-84 Research Assistant, Department of Otolaryngology, The University of Iowa, Iowa City, Iowa.
- 1985 Consultant (temporary part-time), Nagoya International School, Nagoya, Japan.

D. Honors, Recognitions, and Outstanding Achievements

Post-Graduate Honors

Fellow, The Center for Advanced Study, University of Illinois at Urbana-Champaign: 1994.

FIRST Award, National Institutes of Health, (NIH), National Institute on Deafness and Other Communication Disorders (NIDCD): 1995-99.

Beckman Institute of Advanced Science and Technology Affiliate 1995-2001.

Beckman Institute of Advanced Science and Technology, Part-time faculty 2001 – present.

Incomplete List of Teachers Rated as Outstanding by Their Students: Spring 1993, Fall 1994, Spring 1998, Fall 1998, Spring 2000, Spring 2001, Fall 2001, Spring 2002, Fall 2002, Spring 2003, Spring 2005, Spring 2006, Spring 2007.

Visiting Scholar, University of Leuven, Department of Psychology, Laboratory of Experimental Psychology, 2004.

Professional Certification and License

- 1973 Certificate of Clinical Competence - Speech Pathology, American Speech-Language-Hearing Association.
- 1975-79 Professional Certificate - Teacher of the Speech and Hearing Handicapped - The University of the State of New York.
- 1975-97 Professional Certificate for Teaching the Hearing Impaired Speech -Council on Education of the Deaf.
- 1976 Certified Speech Therapist - South African Medical and Dental Council.
- 1978 Licensed Speech Pathologist - The University of the State of New York.

- 1986-90 Certificate of License, Speech Pathology, State of Iowa.
- 1987 Certificate of Clinical Competence - Audiology, American Speech-Language-Hearing Association.
- 1990- Licensed Audiologist and Speech-Language Pathologist, State of Illinois.

E. Invited Lectures and Invited Conference Presentations (1995 – Present)

Research report: Second Biennial Hearing Aid Research and Development Conference, NIH (NIDCD), “A Binaurally-Based Auditory Processor Effectively Extracts Speech in the Presence of Multiple Competing Sounds”, Chen, L., Feng, A.S., Wheeler, B. O’Brien, W. D. Jr., Bilger, R.C., Lansing, C. R. (Department of Veteran Affairs, Bethesda, Maryland: August 1997).

Lecture: Invited Scholar Symposium, Rochester Institute of Technology, National Technical Institute for the Deaf, Cognitive Studies Research Group. “Visual Processes in Speech Perception or Watch Where You Look”, Lansing, C.R. (Rochester, NY: April 1998).

Miniseminar: American Speech-Language-Hearing Association, Basic Science Research. “Eye Movement Research in Cognition and Communication”, Hallowell, B. & Lansing, C.R. (San Francisco, CA: October 1999).

Conference Presentation: American Speech-Language-Hearing Association, Annual Convention. “Eye Gaze during Reception of Simultaneous Signed and Spoken English,” DeFilippo, C. L. & Lansing, C. R. (Atlanta, GA: November 2002).

Seminar: Katholieke Universiteit Leuven (KUL), Department of Psychology. “Using Eye Monitoring Techniques to Test Hypotheses in Spoken Language Perception,” Lansing, C. R. (Leuven, Belgium: June 2003).

Lecture: University College London, Department of Communication Disorders. “Exploring Visual Processes in Auditory Visual Speech Perception,” Lansing, C. R. (London, UK: July, 2003).

Seminar: American Speech-Language-Hearing Association, Annual Convention. “Applications of Eye Movement Research,” Hallowell, B. & Lansing, C. R. (Chicago, IL: November 2003).

Seminar: Centre National de Recherche Scientifique, Universite Rene Descartes, Laboratoire de Psychologie Experimentale, “Eye fixation locations in spoken language understanding,” Lansing, C.R. (Paris, France: April 2004).

Seminar: Max-Planck-Institute for Human Cognitive and Brain Sciences. “Dynamic patterns of eye-fixations in speech understanding,” Lansing, C.R. (Liepzig, Germany: April 2004).

Paper, European Conference on Eye Movement (ECEM) 13: “Information sampling strategies in face perception.” Lansing, C., DeGraef, P., van Belle, G. (Bern, Switzerland: August 14-18, 2005).

Symposium, Qualcomm INC. :“Public cell phone use and bystander distraction: What’s all the yelling about?”, Lansing, C., McCarley, J. (San Diego, CA.: January, 26, 2007)

Symposium, Beckman Institute Director’s Seminar: “The Utility of Speech Gestures and Facial Expression in Communication. Lansing, C., December 7, 2007, University of Illinois at Urbana-Champaign.

F. Editorships of Journals or Other Learned Publications

Associate Editor (Hearing) *Journal of Speech Language and Hearing Research* (1996-1999).

Associate Editor (Hearing) *Journal of Speech Language and Hearing Research* (2010-present).

H. Grants Received and Resource Generation at UIUC

September 1990 - August 1991: Principal Investigator, University of Illinois Research Board, "Efficacy of Consonant Recognition Training".

May 1992 - May 1994: Principal Investigator, National Institute of Health (NIH), National Institute on Deafness and Other Communication Disorders, (NIDCD) (R03-SMALL GRANT PROGRAM), "Visual Strategies Used by Hearing-Impaired Adults".

September 1993 - May 1994: Principal Investigator, University of Illinois Research Board, "Quantifying face movement with optic flow analysis".

January 1995 - December 1999: Principal Investigator, National Institutes of Health (NIH), National Institute on Deafness and Other Communication Disorders (NIDCD), R29 DC02250: "Visual Processes in Speech Perception".

July 1996 – June 2000: Investigator, National Science Foundation (CDA-9624396), Infrastructure Grant - CISE: "A Shared Distributed Facility for Multimedia Signal Processing and Visualization with Applications to Human-Computer Intelligent Interaction" (PI: Tom Huang).

August 1995 – August 2000: Investigator, Beckman Institute for Advanced Science Research Award, University of Illinois, “ Intelligent Hearing Aid Design”, (PI: Albert Feng).

July 1998 – July 1999: Investigator, Texas Instruments, DSP University Program, “High-performance DSP-Based Acoustic Processor for Use in Hearing Aids and Other Communication Devices”, (PI: Albert Feng).

January 1998 – December 1998: Investigator, Mary Jane Neer Research Fund, University of Illinois, “High-Performance Dual Channel DSP-Based Acoustic Processor for Use in Hearing Aids”. (PI: Albert Feng).

January 2000 – December 2000: Investigator, Charles M. Goodenberger Fund, University of Illinois, “The Intelligent Hearing Aid: Biologically Inspired Binaural Acoustic Processor”, (PI: Albert Feng).

July 2000 – June 2002: Investigator, National Institute of Health (NIH), National Institute on Deafness and Other Communication Disorders (NIDCD), R21 DC04840: “Real Time Noise Cancellation for Hearing Aids”, (PI: Bruce Wheeler).

November 2000 – November 2003: Investigator, Phonak (Hearing Aid Research and Development), Sponsored Research Agreement (Project Frog 01-183), (PI: Albert Feng).

July 2001 – June 2004: Consultant, NIH, RO1NS/NR44534, “Research Integrity in ASHA: Education and Publication” (PI: Sharon Moss).

February 2004- February 2005: Investigator, Beckman Institute, University of Illinois (Eyetracker and ERP Recording) Beckman Institute Research Equipment Grant (PI: Kara Federmeier).

September 2004- August 2005: Principal Investigator, University of Illinois Research Board, “Multimodal perception of facial expressions and intonation in spoken language”.

January 2006- December 2007: Principal Investigator, QUALCOMM INC , “Annoying Cell Phone Research Evidence”.

December 2006- November 2009: Investigator, Airforce (AFOSR), # FA9550-06-1-0128. “Propagation of sound paths into the human head”, (PI: W. O’Brien, Jr.).

August 2007 – March 2008: Co Investigator, University of Illinois Research Board, “Neural Correlates of Auditory-Visual Speech Detection in Noise”, (PI: S. Garnsey)

June 2006 – May 2008: PI, National Institutes of Health PHS 1 P30 AG023101, and The Beckman Institute Center for Healthy Cognitive Aging, “Utility of video- and audio-enhanced telephone to maintain healthy cognitive aging.”

I. Review Panels (e.g., for Governmental Agencies, Educational Institutions)

Site visitor for National Institute of Health, National Institute on Aging (NIA), Gainesville, FL (January, 1992).

Ad Hoc Reviewer for Neuroscience, Behavior and Sociology of Aging, Review Subcommittee B, National Institute of Health, National Institute on Aging (NIA), Bethesda, MD (November, 1993).

Member, Secondary Reviewer, for Behavioral and Neurosciences Special Emphasis Panel, ZRG1 HUD-2, National Institute of Health (October 1993).

Ad Hoc Reviewer for Neuroscience, Behavior and Sociology of Aging, (reverse site visitor for 1 P01 AG12773-01; secondary reviewer for two projects). National Institute on Aging (NIA), Bethesda, MD (June 1994).

American Speech-Language-Hearing Foundation, Review Panel Clinical Research Grant, (October 1996, 2000).

Ad Hoc member Biobehavioral and Behavioral Processes IRG -Study Section 2, National Institutes of Health (October 1999).

Ad Hoc member Review Panel, American Speech-Language-Hearing Foundation, 2000 Grant Competition for New Investigators (October 2000).

Member NIH (NIDCD) Special Emphasis Panel ZDC1 SRB-0 (27), (October 2000).

Member, NIH Special Emphasis Panel to review Small Grant (R03) applications responding to PAR-00-110 "NIDCD Small Grant Program" (July 2001).

Ad Hoc member Review Panel, American Speech-Language-Hearing Foundation, 2001 Grant Competition for New Investigators (October 2001).

Member, NIH Special Emphasis Panel ZDC1 SRB-0 (23) to evaluate Small Grant (R03) applications responding to PAR-01-126 – "NIDCD Small Grant Program" (March 2002).

Member, NIH Special Emphasis Panel ZDC1-SRB-0(26) to review Small Grant (R03) applications responding to PAR-01-126 "NIDCD Small Grant Program" (November 2002).

Member, Review Panel, American Speech-Language Hearing Foundation's 2003 New Century Scholars Research Grant competition (August 2003, October 2004).

Member, NIH Special Emphasis Panel ZDC1 SRB-0 (26) to review Small Grant (R03) applications responding to PAR 02-130 "NIDCD Small Grant Program" (November 2003, November 2004).

Member, Review Panel, American Speech-Language Hearing Foundation's 2003 New Investigators Award (October 2004).

Member, Review Panel, National Science Foundation (NSF) – Language and Human Communication (2005).

Member, Merit Review Panel, U.S. Veterans Administration (Rehabilitation Research and Development) – Sensory Panel: Hearing (August 2006, March 2007).

II. PUBLICATIONS AND CREATIVE WORKS

A. Doctoral thesis title

Lansing, C.R. (1984). The relative contribution of voicing frequency and time-intensity cues to the audiovisual speech perception of cochlear implant users. *Dissertation Abstracts International*, 46(02), 2b. (University Microfilms No. AAD85-07952).

B. Books Authored or Co-Authored (in print or accepted)

Denton, D., Chabon, S., Lansing, C.R., Scutter, R., Shinn, R. (2007). Ethics Education, American Speech-Language-Hearing Association.

C. Books Edited or Co-Edited (in print or accepted)

(none)

D. Chapters in Books (in print or accepted)

1. Tyler R.S., Gantz B.J., Preece J.P., Lansing C.R., Lowder M.W., Otto S.R., & McCabe B.F. (1986). Cochlear implant program at The University of Iowa. In M.J. Collins, T.J. Glattke and L.A. Harker(Eds.), *Sensorineural Hearing Loss: Mechanisms, Diagnosis, Treatment, The Reger Conference* (pp. 369-383). Iowa City, IA: The University of Iowa Press.
2. Tyler, R.S., Tye-Murray, N., & Lansing, C.R. (1988). Electrical stimulation as an aid to speechreading. In: *New Reflections in Speechreading*. C.L. De Filippo and D.G. Sims (Eds.), Alexander Graham Bell Association for the Deaf, Washington, D.C., *The Volta Review*, 90(5), 119-148.
3. Lansing, C. R. (2004). Speechreading training and visual tracking. In R. M. Kent (Ed.), *The MIT Encyclopedia of Communication Disorders*. Cambridge, MA: The MIT Press, pp. 543-547.
4. Lansing, C. R. (2009) Visual speech perception in spoken language understanding. In J. J. Montano & J.B. Spitzer (Eds.) *Adult Audiologic Rehabilitation*. San Diego, CA, Plural Publishing, pp. 243-266.

E. Monographs (in print or accepted)

(none)

F. Articles in Journals (in print or accepted)

1. Tyler R.S., Preece J.P., Lansing C.R., Otto S.R., & Gantz B. J. (1986). Previous experience as a confounding factor in comparing cochlear implant processing schemes. *Journal of Speech and Hearing Research*, 29, 282-287.
2. Tyler R.S., Davis J.M., & Lansing C.R. (1987). Cochlear implants in young children. *American Speech-Language-Hearing Association*, 29(4), 41-49.
3. Gantz, B.J., Tyler, R.S., Knutson, J.F., Woodworth, G., Abbas, P., McCabe, B.F., Hinrichs, J., Tye-Murray, N., Lansing, C.R., Kuk, F., & Brown, C. (1988). Evaluation of five different cochlear implant designs: Audiological assessment and predictions of performance. *Laryngoscope*, 98(10), 1100-1106.
4. Lansing, C.R., & Davis, J.M. (1988). Early versus delayed speech perception training for adult cochlear implant users: Initial results. *Journal of the Academy of Rehabilitative Audiology*, 21, 29-41.
5. Tye-Murray, N., Tyler, R.S., Lansing, C.R., & Bertschy, M. (1990). Determining the best stimuli for auditory training using a computerized program. *The Volta Review*, 92(1), 25-30.
6. Knutson, J.F., & Lansing, C.R. (1990). The relationship between communication problems and psychological difficulties in persons with profound acquired hearing loss. *Journal of Speech and Hearing Disorders*, 55, 656-664.

7. Lansing, C.R., & Seyfried, D.N. (1990). Longitudinal changes in personal adjustment to hearing loss in adult cochlear implant users. *Journal of the Academy of Rehabilitative Audiology*, 23, 63-77.
8. Gfeller, K.E., & Lansing, C.R. (1991). Melodic, rhythmic, and timbral perception of adult cochlear implant users. *Journal of Speech and Hearing Research*, 34, 916-920.
9. Gfeller, K.E., & Lansing, C.R. (1992). Musical perception of cochlear implant users as measured by the *Primary Measure of Music Audiation: an item analysis*. *Journal of Music Therapy*, 29, 1, 18-39.
10. Tyler, R.S., Preece, J.P., Lansing, C.R., & Gantz, B.J. (1992). Natural vowel perception by patients with the Ineraid Cochlear-Implant. *Audiology*, 31, 228-239.
11. Lansing, C.R. (1992). Communication management strategies requested by experienced cochlear implant users. *Journal of the Academy of Rehabilitative Audiology*, 25, 130-145.
12. Lansing, C.R., & Bievenue, L.A. (1994). Using intelligent computer-based teaching systems to evaluate the effectiveness of consonant recognition training. *The Volta Review*, 96 (1), 41-49.
13. Elfenbein, J.L., Lansing, C.R., Davis, J.M., & Kallaus-Gay, G.A. (1994). Communication strategies of adult cochlear implant candidates. *Journal of the American Academy of Audiology*, 5(1), 52-69.
14. Lansing, C.R., & McConkie, G.W. (1994). A new method for speechreading research: Tracking observers' eye movements. *Journal of the Academy of Rehabilitative Audiology*, 27, 25-43. [Pre-printed as Human Perception and Performance Technical Report UIUC-BI-HPP-94-05, The Beckman Institute for Advanced Science and Technology, pp. 1-15.]
15. De Filippo, C.L., Lansing, C.R., Elfenbein, J.L., Kallaus-Gay, G.A., & Woodworth, G.G. (1994). Deriving passage difficulties for a tracking study via the cloze technique. *Journal of the American Academy of Audiology*, 5(6), 366-378.
16. Marassa, L.K., & Lansing, C.R. (1995). Visual word recognition in two facial motion conditions: Full face versus lips-plus-mandible. *Journal of Speech and Hearing Research*, 38, 1387-1394.
17. Lansing, C.R., & C.L. Helgeson (1995). Priming the visual recognition of spoken words. *Journal of Speech and Hearing Research*, 38, 1377-1386.
18. Lansing, C.R., & McConkie, G.W. (1999). Attention to facial regions in segmental and prosodic visual speech perception tasks. *Journal of Speech, Language, and Hearing Research*, 42(3), 526-539.
19. Liu, C., Wheeler, B.C., O'Brien, W.D. Jr., Bilger, R.C., Jones, D., Lansing, C.R., Feng, A.S. (2000) Localization of multiple sound sources with two microphones. *Journal of the Acoustical Society of America* 108(4), 1888-1905.
20. Liu, C., Wheeler, B.C., O'Brien, W.D. Jr., Lansing, C.R., Bilger, R.C., Jones, D., Feng, A.S. (2001). A two-microphone dual delay-line approach for extraction of a speech sound in the presence of multiple interferers. *Journal of the Acoustical Society of America*, 110(6), 3218-3231.

21. Ramkisson, I. Proctor, A., Lansing, C.R., Bilger, R.C. (2002) Digit speech recognition thresholds (SRT) for non-native speakers of English, *American Journal of Audiology*, 11(1), 1-10.
22. Lansing, C.R. & McConkie, G.W. (2003). Word identification and eye-fixation locations in visual and visual-plus-auditory presentations of spoken sentences. *Perception & Psychophysics*, 65(4), 536-552.
23. Ratnam, R., Jones, D.L., Wheeler, B.W., O'Brien, W.D. Jr., Lansing C.R. & Feng, A.S. (2003). Blind estimation of reverberation time. *Journal of the Acoustical Society of America* , 114 (5), 2877-2892.
24. Lockwood, M., Jones, D., Bilger, R.C., Lansing, C.R., O'Brien, W.D. Jr., Wheeler, B.C., Feng, A.S. (2004). Performance of time- and frequency-domain binaural beamformers based on recorded signals from real rooms. *Journal of the Acoustical Society of America*, 115 (1), 379-391.
25. Larsen, J.L., Lansing, C.R., Biler, R.C., Wheeler, B.C., Phatak, S.A., Lockwood, M., O'Brien, W.D. Jr., and Feng, A.S. (2004). Speech perception in noise with a two-sensor FMV beamforming algorithm, *Acoustics Research Letters Online (Acoustical Society of America)*, 5(3), pp.100-105.
26. De Filippo C.L., Lansing C.R. (2006). Eye fixations of deaf and hearing observers in simultaneous communication perception. *Ear and Hearing*, 27:331-52.
27. Larsen, E., Iyer, N., Lansing, C.R., Feng, A.S. (2008). On the minimum audible difference in direct-to-reverberant energy ratio, *Journal of the Acoustical Society of America*, 124 (1), 450-461.
28. Brault, L.M., Gilbert, J. L., Lansing, C.R., McCarley, J. S., Kramer, A. F. (2010). Bimodal stimulus presentation and expanded auditory bandwidth improve older adult's speech perception. *Human Factors*, 52(4), 472-491.
29. Minifie, F.D., Robey, R.R., Horner, J., Ingham, J.C., Lansing, C., McCartney, J.H., Alldredge, E.-E., Moss, S.(2011). Responsible conduct of research in communication sciences and disorders: Faculty and student perceptions. *Journal of Speech, Language, and Hearing Research*, 54, S363-S393.
30. Ingham, J. C., Minifie, F.D., Horner, J., Robey, R.R., Lansing, C., McCartney, J.H., Slater, S.C., Moss, S.E. (2011) Ethical principles associated with the publication of research in ASHA's scholarly journals: Importance and adequacy of coverage. *Journal of Speech, Language, and Hearing Research*, 54, S394-S416.

G. Creative Works (Exhibitions, Commissions, Competitions, Performances, Art or Architecture Executed)

1. Feng, A.S., Lansing, C.R., Liu, C., O'Brien, W.D. Jr., and Wheeler, B.C. "Binaural Signal Processing System and Method (UIUC Tech ID 96057)" Patent Application filed in June 19, 1996. Patent issued on April 24, 2001 (US Patent # 6,222,927).

2. Feng, A.S., Liu, C., Bilger, R.C., Jones, D.L., Lansing, C.R., O'Brien, W.D. Jr., and Wheeler, B.C. "Dual Channel Extraction Algorithm/System for High-Fidelity Signal Localization, Characterization and Interference Suppression" (UIUC Tech ID #97060) - Patent Application filed on November 16, 1998 (US Serial number 09/193,058).
3. Jones, D.L., Lockwood, M.E., Bilger, R.C., Feng, A.S., Lansing, C.R., O'Brien, W.D. Jr., Wheeler, B.C., Elledge, M. and Liu, C. Interference suppression techniques. (UIUC Tech ID - TF00015) - Patent application filed in May 10, 2000 (US Serial number 09/568,430).
4. Feng, A.S., Jones, D.L., Wheeler, B.C., Bilger, R.C., Lansing, C.R. and O'Brien, W.D. Jr. Wireless intrabody interconnect technology for hearing aids and acoustic processing. (UIUC Tech ID- TF00048) - Patent application filed in May 10, 2000 (US Serial number 09/568,435; WO 01/87014 A2).
5. Jones, D.L., Lockwood, M.E., Bilger, R.C., Feng, A.S., Lansing, C.R., O'Brien, W.D. Jr., Wheeler, B.C. - Refinements of dual-channel extraction algorithm/system for high fidelity interference suppression from non-distinct sources. PCT patent application filed in May 10, 2001 (Original US Serial number 09/568,430); WO 01/87011 A2.
6. O'Brien, W.D. Jr., Feng, A.S., Jones, D.L., Wheeler, B.C., Lansing, C.R. and Bilger, R.C. - Wireless Ultrasonic Intrabody Interconnect Technology for Hearing Aids and Acoustic Processing. Invention disclosure filed on January 17, 2002 (TF-02005). Patent application Intrabody communication with Ultrasound filed April 9, 2003 (US Serial number 10/409,970).
7. Lockwood, M.E., Jones, D.L., Feng, A.S., Bilger, R.C., Lansing, C.R., O'Brien, W.D. Jr., Wheeler, B.C. - System for Interference Suppression using Adaptive Beamforming Techniques. Invention disclosure filed on January 23, 2002 (TF-02007). Patent application - System and Methods for Interference Suppression with Direction Sensing Patterns (10/409,969) filed on April 9, 2003.
8. Ratnam, R., Jones, D.L., Feng, A.S., Lansing, C.R., O'Brien, W.D. Jr., Wheeler, B.C. - System for Blind Determination of Reverberation Time in Unknown Acoustic Environments Using Passively Perceived Sounds. "Reverberation Time Evaluation" Publication date: October 28 2004, Patent No. US 2004/0213415 A1., 60/466,133).
9. Feng, A., Liu, C., Bilger, R., Jones, D., Lansing, C.R., O'Brien, W.D. Jr., Wheeler, B.C. - "Binaural Signal Processing Techniques" (continuation). Patent Issued: December 20, 2005, Patent No. US 6,978,159; (continuation in part) Patent Issued: January 17, 2006, Patent No. 6,987,856. Japan Patent Issued 12/2/2005, Patent No. 374, 5227.
10. Feng, A., Lockwood, M., Jones, D., Bilger, R., Lansing, C.R., O'Brien, W.D., Jr., Wheeler, B.C. - System and Methods for Interference-Suppression with Directional Sensing Patterns. Patent Issued: July 11, 2006, Patent No. 7,076,072.
11. Feng, A., Jones, D.L., Wheeler, B.C., Bilger, R., Lansing, C.R., O'Brien, W.D., Jr. -Intrabody Communication for a Hearing Aid. Patent Issued: April 17, 2007, Patent No. 7,206,423. European Patent Issued March 5, 2009, Patent No. 1329134.

12. Feng, A., Liu, C., Bilger, R., Jones, D.L., Lansing, C. R. Wheeler, B.C., O'Brien, W.D., Jr., - Binaural Signal Processing Techniques, Canadian Patent Issued: September 25, 2007, Patent No. 2,348,894.
13. Feng, A., Jones, D.L., Wheeler, B.C., Bilger, R., Lansing, C.R., O'Brien, W.D., Jr. -Intrabody Communication for a Hearing Aid. European Patent Issued March 5, 2009, Patent No. 1329134.
14. Feng, A., Lockwood, M., Jones, D., Lansing, C., O'Brien, W., Jr., Wheeler, B., Bilger, R.- Systems and Methods For Interference-Suppression With Directional Sensing Patterns, Issue date: August 18, 2009, Patent Number 7,577,266.
15. Jones, D., Lockwood, M., Bilger, R.C., Bilger, C.T. (Legal Representative), Feng, A., Lansing, C., O'Brien, W., Jr., Wheeler, B., Elledge, M., Liu, C. -Interference Suppression Techniques, Issue date: November 3, 2009, Patent Number 7,613,309.
16. Jones, D., Lockwood, M., Bilger, R.C., Bilger, C.T. (Legal Representative), Feng, A., Lansing, C., O'Brien, W., Jr., Wheeler, B., Elledge, M., Liu, C. -Interference Suppression Techniques, Canadian Letters Patent Application number 2, 407,855 Issue date: February 2, 2010.
17. Feng, A. Jones, D., Wheeler, B., Bilger, C.T. (Legal Representative), Lansing, C., O'Brien, W. "Interbody communication for a hearing aid," Canadian Letters Patent 2,408, 598 Issue date: July 27, 2010.

H. Bulletins, Reports, or Conference Proceedings (in print or accepted)

1. Lansing, C.R., & Davis, J.M. (1990). Evaluating the relative contribution of aural rehabilitation and experience to the communication performance of adult cochlear implant users: Preliminary data. *Treatment Efficacy Research in Communication Disorders* (pp 215-221). Rockville, MD: American Speech-Language-Hearing Foundation.
2. Liu, Q., Lansing, C., & Huang, T. (1998). Facial motion tracking from fine to coarse. *IEEE Proceedings of the 14th International Conference on Pattern Recognition, Vol.1*, pp. 725-727.
3. Elledge, M.E., Lockwood, M.E., Bilger, R.C., Feng, A.S., Jones, D.L., Lansing, C.R. O'Brien, W.D. Jr., & Wheeler, B.C. (2000). Real-time implementation of a frequency-domain beamformer on the TI C62X EVM. Presented in *10th Ann. DSP Technol. Educ. and Res. Conf.* held in Houston (TX), August 2-4, 2000.
4. Lockwood, M.E., Elledge, M.E., Yang, K.L., Jones, D.L., Lansing, C.R., Bilger, R.C., Wheeler, B.C., O'Brien, W.D. Jr., & Feng, A.S. (2000) Simulation and real-time implementation of a new optimum beamforming technique. *International. Hearing Aid Research Conference* in Salt Lake City (UT): 32-33.
5. Lockwood, M.E., Jones, D. L., Lansing, C. R., O'Brien, W. D. Jr., Wheeler, B. C., & Feng, A. S. (2003). Effect of multiple non-stationary sources on MVDR Beamformers. *IEEE Proceedings of the 37th Asilomar Conference on Signals, Systems, & Computers*, pp. 730-734, Pacific Grove (CA), November 9-12.

6. Larsen, E., Schmitz, C., Lansing, C.R., O'Brien, W.D., Jr., Wheeler, B.C., & Feng, A.S. (2003). Acoustic scene analysis using estimated impulse responses. *IEEE Proceedings of the 37th Asilomar Conference on Signals, Systems, & Computers*, pp. 725-729, Pacific Grove (CA), November 9-12.

7. Hallowell, B. & Lansing, C.R. (2004). Tracking eye movements to study cognition and communication. *The ASHA Leader*, 9(21), 4-5, 22-25.

8. Gilbert, J. L., Steelman-Allen, K. S., Lansing, C. R., McCarley, J.S., Kramer, A.F. (2009). Effect of overheard conversations on bystander productivity. *Human Factors and Ergonomics Society Annual Meeting Proceedings*, 53 (18), 1314-1318.

I. Abstracts (in print or accepted) since 1995

1. Lansing, C.R., Minch, H.D., & McConkie, G.W. (1995). Task demands affect the speechreader's search for information. [Abstract] *JASA*, 98(5), 2986.

2. Lansing, C.R., Minch, H., & McConkie, G.W. (1995). Visual attention to phonetic and prosodic speech information. [Abstract] *Asha*, 37(10), 1112.

3. Pierce, H., & Lansing, C.R.(1997). Lipreading practice and related changes in visual behavior: Initial results. [Abstract] *The ASHA Leader*, 39(10), 164.

4. Lansing, C.R., & McConkie, G.W. (1998). Contribution of region-specific face information to visual speech perception. [Abstract] *The ASHA Leader* 3(16), p. 98.

5. Hallowell,B.,& Lansing, C. R. (1999). Eyemovement research in cognition and communication. [Abstract] *Asha* 41 (5), p.78.

6. Lockwood, M.E., Jones, D.L., Elledge, M.E., Bilger, R.C., Goueygou, M., Lansing, C. R., Liu, C., O'Brien, W. D. Jr., Wheeler, B. C., & Feng, A. (1999). A minimum-variance frequency-domain algorithm for binaural hearing aid processing. [Abstract] *Journal of the Acoustical Society of America*, 109,106(4), p.2278.

7. Goueygou, M., Lockwood, M.E., Elledge, M.E., Bilger, R.C., Jones, D.L., Lansing, C. R., Liu, C., O'Brien, W. D. Jr., Wheeler, B. C., & Feng, A. (1999). A minimum-variance frequency-domain algorithm for binaural hearing aid processing. [Abstract] *Journal of the Acoustical Society of America*, 109,106(4), p.2278.

8. Elledge, M.E ,Lockwood, M.E., Bilger, R.C., Goueygou, M., Jones, D.L., Lansing, C. R., Liu, C., O'Brien, W. D. Jr., Wheeler, B. C., & Feng, A. (1999).A real-time dual-microphone signal-processing system for hearing aids. [Abstract] *Journal of the Acoustical Society of America*, 109,106(4), p.2279.

9. Lansing, C.R.(2000). Speechreading research: Implications for rehabilitative audiology. [Abstract] *The ASHA Leader* (5)16, p.79.

10. Larsen, J., Lockwood, M.E., Lansing, C.R., Bilger, R.C., O'Brien, W.D. Jr., Jones, D.L., Wheeler, B.C., & Feng, A.S. (2001) Performance of a frequency-based minimum variance

- beamforming algorithm for normal and hearing impaired listeners. [Abstract] *24th Annual Midwinter Meeting of the Association for Research in Otolaryngology*, p. 174.
11. Lockwood, M.E., Yang, K.L., Jones, D.L., Bilger, R.C., Lansing, C.R., Liu, C., O'Brien, W.D. Jr., Wheeler, B.C., & Feng, A.S., (2001), Robustness of the beamforming algorithms with head-related transfer functions. [Abstract] *Journal of the Acoustical Society of America*, 109, p. 2493.
 12. Zheng, Y., Lockwood, M.E., Wheeler, B.C., Jones, D.L., Feng, A.S., O'Brien, W.D. Jr., Bilger, R.C., & Lansing, C.R., (2001), Comparison of binaural beamformers for speech extraction in complex auditory scenes. [Abstract] *Journal of the Acoustical Society of America*, 109, p. 2494.
 13. Berry, M.J., Lockwood, M.E., Jones, D. L., Bilger, R. C., Lansing, C. R., O'Brien, W.D., Jr., & Wheeler, B.C. (2001), Beamformer improvement with increasing number of sensors. [Abstract] *Journal of the Acoustical Society of America*, 109, p. 2494.
 14. Larsen, J., Lockwood, M.E., Lansing, C.R., Bilger, R.C., O'Brien, W.D. Jr., Jones, D.L., Wheeler, B.C., & Feng, A.S., (2001), Human performance in a multi-source environment with a frequency-based minimum variance beamforming algorithm. [Abstract] *Journal of the Acoustical Society of America*, 109, p.2494.
 15. Lansing, C.R., & McConkie, G.W., (2001). Overt visual attention in spoken sentence perception. [Abstract] *Journal of the Acoustical Society of America*, 109, p.2313.
 16. Larsen, J.B., Lansing, C.R., Bilger, R.C., Wheeler, B., Phatak, S., Iyer, N., Lockwood, M., O'Brien, W.D. Jr., Jones, D., & Feng, A.S. (2002). Evaluation of an FMV binaural beamforming algorithm in noise. [Abstract] Program of the 14th Annual Convention and Exposition of the American Academy of Audiology, p. 54.
 17. DeFilippo, C. L. & Lansing, C. R. (2002). Eye gaze during reception of simultaneous signed and spoken English. [Abstract] *The ASHA Leader*, 7(15), p.241.
 18. Iyer, N., Kramer, M., Larsen, J., Lansing, C., Bilger, R., Jones, D., O'Brien, W. Jr., Wheeler, B., & Feng, A. (2002) Evaluating the use of objective metrics for assessing a binaural signal processing algorithm. [Abstract] *International Conference on Hearing Aids (IHCON)*, p. 63.
 19. Iyer, N., Ratnam, R., Phatak, S., Lansing, C., & Feng, A. (2003). Speech perception in tight acoustic spaces. [Abstract] *Journal of Acoustical Society of America*, 113 (4), Part 2, p. 2286.
 20. Larsen, E., Iyer, N., Lansing, C., & Feng, A. (2003). On temporal integration vs. frequency-based discrimination of direct-to-reverberant energy ratio [Abstract] *Journal of Acoustical Society of America*. 113 (4), Part 2, p. 2358.
 21. Iyer, N., Larsen, E., Lansing, C., & Feng, A. (2004). An evaluation of two frequency-based mechanisms for direct-to-reverberant energy ratio discrimination [Abstract], *Journal of Acoustical Society of America* 115 (5), Part 2, p. 2535.

22. Jones, L. D., Lockwood, M. E., Lansing, C. R., & Feng, A.S. (2004). Improved BTE hearing-aid directivity using a directional microphone array [Abstract], *Journal of Acoustical Society of America* 115 (5), Part 2, p. 2535.

23. Schmitz, C., Iyer, N., Lockwood, M., Lansing, C., Jones, D. (2004). Enhanced BTE directivity using a directional microphone array [Abstract]. International Conference on Hearing Aids (IHCON), p.45, Lake Tahoe, California.

24. Larsen, J. B. & Lansing, C. R. (2005). [Abstract]. Evaluating the benefits of early reflections for speech intelligibility. Program of the Bi-Annual Convention of the *American Auditory Society* (NIH Mentored Student Research Scholarship Award).Scottsdale, Arizona.

25. Moss, S.E., Aldredge, E., Garstecki, D., Horner, J., Ingham, J.,Lansing, C., McCartney, J., Minifie, F., Slater, S. (2005, Apr). Research Integrity: A Survey of ASHA's Education and Publication Practices. Paper presented at the annual meeting of the Council of Academic Programs in Communication Sciences and Disorders, Scottsdale, AZ.

26. Wismer, M., Brault, L.M., Melamed, S., Lansing, C.R., Chambers, R.C., O'Brien, W.D. (2007). Numerical and experimental study of bone conducted sound and the occlusion effect[Abstract], *Journal of Acoustical Society of America* 121 (5), Part 2, p. 3198-99.

27. Brault, L.M, Lansing, C., Chambers, R.C., O'Brien, W.D. (2007) Examination of bone conducted sound pathways [Abstract], *Journal of the Acoustical Society of America* 122 (5), part 2, p. 3063.

28.Larsen, E., Iyer, N., Lansing, C. , Feng, A. (2008) The minimum audible difference in direct-to-reverberant energy ratio and its relationship to room acoustics. *Abstracts of the 31st Annual Midwinter meeting of the Association for Research in Otolaryngology*, vol. 31, p. 312-313.

29. Brault, L.M, Han, W., Lansing, C., Chambers, R.C., McNew, J., Bellina, A., O'Brien, W.D. (2008) Influence of static force on bone conduction threshold measurement [Abstract], *Journal of the Acoustical Society of America* 124 (4), part 2, p. 2456.

J. Conference Presentations (since 2008)

Steelman, K.S., Weece, R., Ramrattan, H., Yao, R., Lansing, C., McCarley, J.S., Kramer, A. F. (2008). Is 'Cell Yell' Real?: Effects of remote communication on vocal characteristics and verbal behaviors. Technical paper in Invited symposium: "Coping with technology: Cognitive bases of distraction and annoyance." Association for Psychological Science, 20th Annual Convention, May 2008, Chicago Illinois.

Gilbert, J. Lansing, C., Garnsey, S. (2008). "Neural correlates of auditory-visual speech detection in noise." American Speech, Language, and Hearing Association Annual Convention, November 2008, Chicago, Illinois.

Lansing, C. (2008) "Speechreading: Research and Clinical Practice" In 2-Hour Featured Presentation: "Looking forward in AR: Learning from experience": Montano, J., Wark, D., Lansing, C., Chute, P., Hawkins, D., McCarthy, P. Kricos, P. Erdman, S. (2008). American Speech, Language, and Hearing Association Annual Convention, November 2008, Chicago, Illinois.

Gilbert, J., Lansing, C., Garnsey, S. (2009). Synergy of behavioral and electrophysiological measures of auditory-visual speech perception, NIH-NICD Mentored Student Research Award, American Auditory Society, March 2009, Scottsdale, AZ.

Brault, L.M, Han, W., Lansing, C., Chambers, R.C., McNew, J., Bellina, A., O'Brien, W.D. (2009, June). Contribution of static force and oscillator placement in bone conduction sensitivity. Poster session presented at the meeting of Middle Ear Mechanics in Research and Otolaryngology, Palo Alto, CA.

Brault, L.M., Gilbert, J.L., Lansing, C.R., McCarley, J., Kramer, A. (2009, October) Effects of Bandwidth and Bimodal Presentation on Cognitive Function in Older Adults. NIH-NICD Student Research Award Poster session presented at the biannual meeting on Aging and Speech Communication, Bloomington, IN.

Hefferly, M. and Lansing C. (2010, March). Self-efficacy strength may affect hearing disability. NIH-NICD Mentored Student Research Award, American Auditory Society, Scottsdale, AZ.

Hefferly, M. and Lansing, C. (2010, April). The influence of self-efficacy strength on the influence of hearing disability. Mentored Student Research Poster Award, American Academy of Audiology, San Diego, CA.

III. RESIDENT INSTRUCTION

A. Summary of Instruction

1. Courses Taught

SPSHS 392 (SHS 553) Audiologic Rehabilitation for Children and Adults.

SHS 453 (SPSHS 393, 453) Pediatric Audiology.

SHS 552 (SPSHS 491A, 452) Amplification and Hearing Aids for Children and Adults.

SPSHS 454 (SPSHS 495Y) Graduate Seminar in Prosthetic-Sensory Devices.

SPSHS 495, SPSHS 199, CS490: Independent study

SHS 270 (SHS 280) Communication Disabilities in the Media (General Education: Social Science and Composition II)

SHS new course 2005 (SHS 580): Cochlear Implants

SHS new course 2004: Seminar in Aural Rehabilitation: Practice and Research

SHS new course 2010: Advanced Graduate seminar in rehabilitative audiology

2. Supervision of Graduate Student Research

Post Doctoral Student

N. Iyer (Ph.D. The Ohio University): Research projects: Speech perception with novel signal processing in complex real world environments; Informational masking; Tight acoustic spaces; “Intelligent Hearing Aid Project”.

Ph. D. Thesis Advisor

J.A. Moore, M.A., "Environmental and health factors affecting hearing loss in Inuit children". Ph.D. Thesis, University of Illinois at Urbana-Champaign, 1994. Advisor: C.R. Lansing (J.A. Moore, Ph.D., University of Texas, Austin, Assistant Professor).

J. B. Larsen, MA. “Understanding speech in reverberant conditions: Benefit of early reflections on speech intelligibility”. Ph.D. Thesis, University of Illinois at Urbana-Champaign, 2005. Advisor: C.R. Lansing (J.B. Larsen, Ph.D., Utah State University, Assistant Professor).

J.L. Gilbert, M.A. “Visual and auditory speech perception in noise”, Ph.D. thesis advisor (Defense April 2009).

M.Hefferly, MA. “Hearing loss and successful aging", Ph.D., Thesis advisor (Defense June 2009).

L.M. Brault, M.A. “Relation of short-term memory and spoken speech perception: A cross-sectional study – Ph.D. Thesis advisor (Preliminary Exam April 2010 ; expected completion: December 2012)

Albert, Jarvi, M.A. “Time window for auditory-visual speech perception: Effects of asynchrony on integration,” Thesis supervisor (expected preliminary exam: June 2011).

M.A. Thesis Advisor

J.A. Moore, M.A. "Prevalence of conductive hearing loss in NWT audiology patients". M.A. equivalency thesis, University of Illinois at Urbana-Champaign, 1993. Advisor: C.R. Lansing.

M. Han, B.S., "Speechreading supplemented by auditory presentation of fundamental frequency". M.A. thesis, University of Illinois at Urbana-Champaign, 1995. Advisor: C.R. Lansing (M. Han, M.A. – Korea, Hospital Post, Audiologist).

L.K. Marassa, B.A., "Visual word recognition in two facial exposure conditions". M.A. Thesis, University of Illinois at Urbana- Champaign, 1994. Advisor: C.R. Lansing (L.K. Marassa, M.A., Champaign Public Schools, IL, Speech Language Pathologist).

J.B. Firszt, M.A. , "Adaptation findings in Nucleus multichannel cochlear implant users". M.A. equivalency thesis, University of Illinois at Urbana-Champaign, 1995. Advisor: C.R. Lansing (J.B. Firszt, Ph. D., University Milwaukee Medical School, Assistant Professor).

H. Pierce, B.A., "Lipreading practice and related changes in visual behavior", M.A. thesis, University of Illinois at Urbana-Champaign, 1997. Advisor: C.R. Lansing (H. Pierce, M.A , St. Louis Public School, Speech Language Pathologist).

L. M.(Bielski) Brault, B.A. “Informational masking: Sex differences versus talker differences”, 2003. Advisor: C.R. Lansing (L. M. Bielski, M.A., Christie Clinic, Champaign, IL, Audiologist).

J.L. Gilbert, M.A. "Impact of signal separation on information masking as a function of talker and list differences", Master's thesis equivalency, Thesis advisor (November 2004).

M. Hefferly, MA. "Communication needs and activity participation of aging adults with sensorineural hearing loss." Master's thesis equivalency, Thesis advisor (November 2006).

Doctoral Research Project (AuD) Thesis Advisor

J. Purdy, M.A., "Case studies: Cochlear Implant and disability, the benefits for social and emotional development", Doctoral research project (AuD) thesis advisor (April 2009).

C. Brueckner, M.A., "Case studies: Communication stimulation strategies and language outcomes for children with cochlear implants and disabilities", Doctoral research project (AuD) thesis advisor (April, 2009).

H. Ramrattan, B.A. "Effects of Transducer Location on Bone Conducted Suprathreshold Speech Perception in Noise". Doctoral research project (AuD) co-thesis advisor (June 2010).

Sarah Lewandowski, B.A. "The effect of oscillator location on bone conduction hearing thresholds in normal hearing individuals", Doctoral research project (AuD) co-thesis advisor (April 2011).

Kathleen M. O'Brien, B.A., "Risks of developing noise-induced hearing loss associated with participation in a Highland Bagpipe Band: A pilot study of current auditory status and perceptions about hearing protection devices", Doctoral research project (AuD) thesis advisor preliminary exam: February 2011 (expected completion December 2011).

Kathleen Miller, B.A. "Are distortion product otoacoustic emissions related to risk factors for hearing loss in college students with otherwise normal hearing sensitivity?" Director of Research (co-advisor) Doctoral research project (AuD) co-thesis advisor, preliminary exam: Expected June 2011 (expected completion, December 2011).

Ph. D. Thesis Committee Member

A. F. Russell, "Heritability of spontaneous otoacoustic emissions", Member, Ph.D. thesis committee Final Oral (Summer 1992).

O. Amir, "The effect of temporal manipulation of disfluency on the perception of stuttering", Member, Ph.D. thesis committee, Final Oral (Spring, 1998).

J. Firzst, "Electrically evoked auditory potentials recorded from multichannel cochlear implant subjects: Characterization and comparison to behavioral measures", Member, Ph.D. thesis committee Final Oral (Fall, 1998).

You Xhang, M.A., (Dept. of ECE, UIUC), "Multi-modal information fusion for robust human computer interaction", Member of Ph.D. Thesis Committee (Spring 2000).

Stephen Migyu Chu (Dept. of ECE, UIUC), "Multimodal speech recognition and talker identification" Member of Ph. D. Thesis Committee (Spring 2003).

S. Melamed, M.A. “Objective measures of tinnitus in humans”, Member of Ph.D. Thesis Committee (Defense Fall 2006)

B. Lee, M.A. (Dept. of ECE, UIUC), “Robust speech recognition in a car using a microphone array”, Member of Ph.D. Thesis Committee (Defense Fall 2006).

S. Phatak, M.A. (Dept. of ECE, UIUC), “Confusion matrix analysis and its application to speech perception”, Member of Ph.D. Thesis Committee (Defense, Fall 2007).

M. Liu, M.A. (Dept. of ECE, UIUC), “A novel framework on auditory-visual person identification”, Member of Ph.D. Thesis Committee (Defense, Fall 2007).

B. Lobdell, M.A. (Dept. of ECE, UIUC), “Information theoretic comparisons between speech intelligibility predictors and human phone perception with applications for feature extraction”, Member of Ph. D. Thesis Committee (Defense, April 2009).

Y. Hu, M.A. (Dept. of ECE, UIUC), '3D face processing and its application in expression analysis. Member of Ph. D. Thesis Committee (Defense, November 2008).

Doctoral Research Project (AuD) Committee Member

K. Fisher, M.A., "Simulated rehearsal music on the hearing of college age musicians who report symptoms of auditory fatigue and/or tinnitus" member of doctoral research project (AuD) thesis committee (Defense, April 2009).

K. Woods, M.A., "Effect of contra-lateral white noise on the click-evoked response (AMLR) in humans" member of doctoral research project (AuD) thesis committee (Defense, April 2009).

Artice B. Weston, Jr., B.A., “Effects of contralateral white noise on the click evoked Auditory Middle Latency Response and its implications for binaural interaction”, member of doctoral research project committee, AuD, Preliminary exam, December 2010 (Expected completion December 2011).

Corinne N. Heller, B. A., “Passive listening and auditory discrimination therapy: A sound therapy for tinnitus management”, member of doctoral research project committee (AuD) Preliminary exam: December 2010 (Expected completion: December 2011).

Heather Burr, B.A., “Post-operative electrophysiologic assessment in the ABI patient”, member of doctoral research project committee (AuD) Defense: April 2011.

Kristen Umphlett, B.A., “Local norms for the click-evoked neurodiagnostic Auditory Brainstem Response with the Bio-Logic Navigator PRO”, member of doctoral research project committee (AuD) Defense: April 2011.

Anna L. Bussing, B.A., “Local norms for the tone burst-evoked Auditory Brainstem Response for the Bio-Logic Navigator PRO”, member of doctoral research project committee (AuD) Defense: April 2011.

Colleen Edwards, B.A., The reliability of ultra-high-frequency and conventional pure-tone

audiometry”, member of doctoral research project committee (AuD) Defense: April 2011.

Julie Kenny, B.A., “The development of distortion product otoacoustic emission amplitude norms for the University of Illinois at Urbana-Champaign Audiology Clinic”, member of doctoral research project committee (AuD) Defense: April 2011..

M.A. Thesis Committee Member

L. R. Berolzheimer, “ Collaborative possibilities among speech-language pathologists and art, music, and physical education teachers”, Member, Masters thesis committee (Spring 1992).

T. A. Meyer, “ Effect of set size and method on SRT in noise”, Member Master’s Equivalency thesis committee (Fall 1991).

H. Rogers, B.A., “Mothers as sources of personal (or family) narrative repertoires for preschoolers, Member M.A. Thesis Committee (Spring 2000).

I. Ramkissoon, M.A., “Digit-speech reception thresholds in non-native speakers of English”, Member of Masters Equivalency Thesis Committee (Spring 2000).

H. (Galvan) Peters, B.A. “Limitations in auditory attentional processing: The auditory attentional blink”, Member of M.A. Thesis Committee (Fall 2004).

K. Haui-Rhin, M.A. “Cultural influences on narrative writing in Korean-English bilingual children”, Member of Master’s Equivalency Project Committee (Defense Summer 2006).

V. SERVICE (PUBLIC, PROFESSIONAL/DISCIPLINARY, AND UNIVERSITY)

A. Summary of Service

1. Public Service

Consultant for National Education Testing Service to review and develop questions for CCC examination in Audiology (1989-1994).

Invited Consultant: "Effects of Ear Team Collaboration within Regular Educational Programs" (Field-Initiated Study; Co-PIs: Locher, C.E. and Greenwald, C., Central Association for Special Education (CASE), Champaign, IL; funded by the U.S. Department of Education: 8/92-8/93).

Consultant, American Speech-Language-Hearing Association. (1994). Handbook of research education in communication sciences and disorders: A guide for program directors, research mentors, and prospective PhD students. Rockville, MD: Author.

Invited Consultant,” Psychosocial and Behavioral Adjustment to Hearing Loss”: M.E. Demorest (PI), S.A. Erdman (Co-PI), University of Maryland at Baltimore County (funded by NIH-NIDCDS: 4/93 - 3/98).

Invited Consultant, Dominca (Albuquerque, NM), Nancy Winfree (PI) STTR project entitled “Advanced Hearing Protection”, Air Force Office of Scientific Research (AFOSR) award number 01-NL-195 (9/01-12/02).

Team Member, Carle Hospital and Clinics Cochlear Implant Research Group and UIUC Audiology Working Group subcommittee to develop a collaborative research program (10/03- present).

2. Service to Disciplinary and Professional Societies or Associations

Editorial Board Journal of the Academy of Rehabilitative Audiology (1990-), Program Committee 1991, 1995, 1997, 1998, 2001.

Occasional Reviewer for:

Acta Psychologica

American Journal of Audiology

Ear & Hearing

EURASIP JASP (Journal of Applied Signal Processing)

Journal of Acoustical Society of America

Journal of the American Association of Audiology

Journal of Speech, Language, and Hearing Research

Journal of Experimental Psychology (General)

Journal of Phonetics

The Volta Review

Member, Aural Rehabilitation Working Group on Competencies and Graduate Education, American Speech-Language-Hearing Association , 1997-2001. Committee Publications:

1. American Speech-Language-Hearing Association. (2000). Guidelines for graduate education in amplification. ASHA Supplement, 20, 22-27. Rockville, MD: Author.
2. American Speech-Language-Hearing Association. (2001). AR-BIB: Audiologic rehabilitation-basic information bibliography (executive summary). ASHS Supplement 21, 33-37. Rockville, MD: Author.
3. American Speech-Language-Hearing Association. (2001). Knowledge and skills required for the practice of audiologic/aural rehabilitation. ASHA Desk Reference, vol. 4 (IV-1-IV-11). Rockville, MD: Author.

Member ASHA Board of Ethics (November 1999 – January 2003). Committee publications:

1. American Speech-Language-Hearing Association. (2001, December 26). Code of ethics (*revised*). *The ASHA Leader*, 6 (23), p. 2.
2. American Speech-Language-Hearing Association. (2003). Code of ethics (*revised*). *ASHA Supplement 23*, 13-15.
3. American Speech-Language-Hearing Association. (2004). Issue in ethics statement: Clinical practice by certificate holders in the profession in which they are not certified. ASHA. Supplement 24, 39-40.
4. American Speech-Language-Hearing Association. (2004). Issue in ethics statement: Confidentiality. *ASHA Supplement 24*, 43-45.

Member, Acoustical Society of America, Speech Communication Technical Committee 2001-04.

Chair, ASHA 2002 National Convention Audiology (Aural Rehabilitation subcommittee).

Consultant, ASHA 2004-07 RIGG (Research Integrity Grant Group)

1. Moss, S.E., Aldredge, E., Garstecki, D., Horner, J., Ingham, J., Jeffries, M., Lansing, C., McCartney, J., Minifie, F., Slater, S. (2004, Nov). Research Integrity in ASHA: Teaching & Learning Practices. Paper presented at the annual convention of the American Speech-Language-Hearing Association, Philadelphia, PA. The ASHA Leader, 9 (15), 76.
2. Moss, S.E., Aldredge, E., Garstecki, D., Horner, J., Ingham, J., Jeffries, M., Lansing, C., McCartney, J., Minifie, F., Slater, S. (2004, Nov). Research Integrity in ASHA: Educational Practices. Paper presented at the annual ORI Research Conference on Research Integrity, San Diego, CA. p. 59 <http://ori.dhhs.gov/conferences/past_conf.shtml>
3. Moss, S.E., Aldredge, E., Garstecki, D., Horner, J., Ingham, J., Lansing, C., McCartney, J., Minifie, F., Slater, S. (2005, Apr). Research Integrity: A Survey of ASHA's Education and Publication Practices. Paper presented at the annual meeting of the Council of Academic Programs in Communication Sciences and Disorders, Scottsdale, AZ.
4. Ingham, J.C, Moss, S.E., Garstecki, D., Horner, J., Jensen, J., Lansing, C., McCartney, J., Minifie, F., Robey, R., Slater, S. (2006, Dec). Research Integrity in ASHA: Scientific Publication Practices. Paper presented at the annual ORI Research Conference on Research Integrity, Tampa, FL, p. 26-27 <http://www.cme.hsc.usf.edu/research_integrity/#pa>(See 06RCRI-abstracts.pdf)

Committee Member, Illinois Academy of Audiology, Committee member MAUDS (mentoring AUD students) 2008-.

3. University/Campus Service

Campus

- | | |
|-----------|------------------------------------------------------------------------------------------------------------------------------------|
| 1992-93 | Faculty Mentor Program (with Professors Thomas Huang and Narendra Ahmari) Superquest Program, National Center for Super Computing. |
| 1992-1998 | Occasional Peer Reviewer, UIUC Research Board. |
| 1998 | Member, Search Committee for the Dean of the College of Applied Life Studies |
| 2000-06 | Member Beckman Program Advisory Committee (PAC); Reviewer of BI post-doctoral and pre-doctoral fellowships |
| 2001 | Member, Search Committee for the Director of the Beckman Institute |
| 2004-09 | Member, Provost's Committee on Retention |
| 2009-10 | Member, Health Information Services Planning (HISP) Team |
| 2010- | Group Leader, Human Perception Performance, Beckman Institute |

College

- | | |
|---------|-------------------------------------------------|
| 1991-97 | Department Representative, Study Abroad Program |
| 1992-96 | Member, College Educational Policy Committee |
| 1996 | Chair, College Educational Policy Committee |
| 1996-98 | Member, College Executive Committee |
| 1999-01 | Member, College Executive Committee |

1999-00 Member, College Awards Committee
 2000-02 Member, College Elections Credentials Committee
 2000 Member, Search Committee Director of Budget and Business Affairs
 2002-03 Chair, College Elections Credentials Committee
 2004-06 Member, Dean's Task Force on Space Utilization
 2005 Member, Educational Policy Committee
 2003, 2005 Chair, Bob Bilger Awards Committee
 2004, 2006 Member, Bob Bilger Awards Committee
 2006- Member, Capricious Grading Committee
 2009, 20010- Chair, Bob Bilger Awards Committee

Unit

1991-98 Member, Technical Support Committee
 1991-97 Member, Undergraduate Curriculum Committee
 1992 Member, Search Committee (Speech/Language)
 1992-93 Member, Human Subject Review Committee
 1997,99, 08 Member, John O'Neill Symposium Committee
 1997 Member, Search Committee (Audiology Faculty)
 1996-98 Member, Advisory Committee
 1998 Chair, Search Committee (Audiology Faculty)
 1998-2000 Member, Graduate Admission Committee
 1999 Member, Ph.D. Curriculum Committee
 2000 Member, Faculty Search Committee
 2000-06 Member, Audiology Working Group
 2000-03 Chair, Graduate Admissions Committee
 2000-04 Member, Advisory Committee
 2006-
 2004-08 Member, Graduate Admission Committee
 2005-06 Co-chair, Graduate Admission Committee
 2004-05 Member, Search Committee (Audiology Faculty)
 2006-07 Member, Ad Hoc Space Utilization Committee
 2006-08 Chair, AUD Curriculum Committee
 2008-09 Member, Educational Policy Committee
 2009- Chair, Educational Policy Committee
 2008-09 Member, Program Policy Committee

(Updated May 11)