

## Dr. Richard I. Zraick

### Education

Ph.D.	1998	Speech and Hearing Science, Arizona State University.
M.S.	1987	Speech and Hearing Science, University of Arizona.
B.A.	1984	Psychology, University of Arizona.

### Current Academic Appointment (July 2014 – present)

Professor and Chair	Department of Communication Sciences and Disorders University of Central Florida Orlando, FL, USA 32816
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### Prior Academic Appointments (July 1997-June 2014)

Professor	Department of Audiology and Speech Pathology
Assistant Professor	Department of Otolaryngology, Head and Neck Surgery (secondary appointment)
Assistant Professor	Department of Geriatrics (secondary appointment)  University of Arkansas for Medical Sciences (UAMS) Little Rock, Arkansas, USA, 72205.

### Certification and Licensure

- A. Certificate of Clinical Competence in Speech-Language Pathology (CCC-SLP), issued by the American Speech, Language and Hearing Association [ASHA] (1988 to present).
- B. AR License #SP1308 issued by the AR Board of Examiners in Speech-Language Pathology and Audiology [ABESPA] (July 1997 to June 2014).
- C. FL License #SA1309 issued by the FL Board of Examiners in Speech-Language Pathology and Audiology (July 2014 to present)

## **Membership in National and State Professional Organizations**

- A. Member, American Speech, Language and Hearing Association [ASHA] (1987 to present).
- B. Member of ASHA Special Interest Divisions: 10 (Higher Education), 2 (Neurogenic Speech-Language Disorders), 3 (Voice and Voice Disorders), and 11 (Administration and Supervision).
- C. Member, American Cleft Palate-Craniofacial Association (1998-2000).
- D. Member, Arkansas Speech, Language and Hearing Association (1997 to present).
- E. Member, Arizona Speech, Language and Hearing Association (1987 to 2000).

## **Awards and Recognition**

- A. *Fellow*, American Speech-Language-Hearing-Association (2014).
- B. *Annual Contributions in Research Award*, Arkansas Speech, Language and Hearing Association (2013).
- C. *Faculty Excellence in Scholarship Award*, UAMS College of Health Professions (2012).
- D. Granted promotion to the rank of Professor by the University of Arkansas for Medical Sciences (July 01, 2012).
- E. *Faculty Excellence in Research Award*, UALR College of Professional Studies (2011).
- F. *Faculty Excellence in Teaching Award*, UAMS College of Health Related Professions (2005).
- G. Granted tenure and promotion to the rank of Associate Professor by the University of Arkansas for Medical Sciences (July 01, 2004).
- H. *Faculty Excellence in Research Award*, UALR College of Professional Studies (2003).

- I. *Annual Contributions in Research Award*, Arkansas Speech, Language and Hearing Association (2000).
- J. Awards for Continuing Education (ACE), issued by the American Speech, Language and Hearing Association (1991, 1993, 1996, 1997, 1999, 2000, 2004, 2007, 2010).
- K. Nominated twice as *Outstanding Teaching Assistant* in the College of Liberal Arts at Arizona State University (1993 and 1994).
- L. Alpha Epsilon Delta National Premedical Honor Society (1997).

## Scholarship Record

### **A. Peer-Reviewed Journal Articles In Print or Press:**

1. Nicholson, N.N., Atcherson, S.R., Martin, P., Spragins, M.G., Schlagenhauf, L., & **Zraick, R.I.** (2016). Readability, user-friendliness, and key content analysis of newborn hearing screening brochures. Journal of Early Hearing Detection and Intervention, 1(1), 66-77.
2. Rangarathnam, B., McCullough, G.H., Pickett, H., **Zraick, R.I.**, Tulunay-Ugur, O.E., & McCullough, K. (2015). Telepractice versus in-person delivery of voice therapy for primary muscle tension dysphonia. American Journal of Speech-Language Pathology, 24, 386–399.
3. Atcherson, S.R., Delaune, A.E., Hadden, K., **Zraick, R.I.**, Kelly-Campbell, R.J., Minaya, C.P. (2014). A computer-based readability analysis of consumer materials on the American Speech-Language-Hearing Association website. Contemporary Issues in Communication Sciences and Disorders, 41, 12-23.
4. Atcherson, S.R., **Zraick, R.I.**, & Hadden, K. (2013). A need for health literacy curriculum: Knowledge of health literacy among U.S. audiologists and speech-language pathologists in Arkansas. Education for Health, 26 (2), 85-88.
5. Slavych, B.S., Engelhoven, A.E., & **Zraick, R.I.** (2013). Quality of life of persons with voice disorders: A review of patient-reported outcome measures. International Journal of Therapy and Rehabilitation, 20, 308-315.

6. Atcherson, S.R., Richburg, C.M., **Zraick, R.I.**, & George, C.M. (2013). Readability of questionnaires assessing listening difficulties associated with (central) auditory processing disorders. Language, Speech and Hearing Services in Schools, 44, 48-60.
7. **Zraick, R.I.**, Smith-Olinde, L.S., & Shotts, L. (2012). Adult normative data for the KayPentax Phonatory Aerodynamic System Model 6600. Journal of Voice, 26 (2), 164-176.
8. **Zraick, R.I.** (2012). A review of the use of standardized patients in speech pathology clinical education. International Journal of Therapy and Rehabilitation, 19 (2), 112-118.
9. **Zraick, R.I.** & Atcherson, S.R. (2012). Readability of patient-reported outcome questionnaires for use with persons with dysphonia. Journal of Voice, 26 (5), 635-641.
10. **Zraick, R.I.** Atcherson, S.R., & Brown, A.M. (2012). Readability of patient-reported outcome questionnaires for use with persons who stutter. Journal of Fluency Disorders, 37, 20-24.
11. **Zraick, R.I.**, Atcherson, S.R., & Ham, B.K. (2012). Readability of patient-reported outcome questionnaires for use with persons with swallowing disorders. Dysphagia, 27, 346-352.
12. Pace, C.P., Atcherson, S.R. & **Zraick, R.I.** (2012). A computer-based readability analysis of patient-reported outcome questionnaires related to oral health quality of life. Patient Education and Counseling, 89 (1), 76-81.
13. McCullough, G.H., **Zraick, R.I.**, Balou, S., Pickett, H.C., Rangarathnam, B., & Tulunay, O. (2012). Treatment of laryngeal hyperadduction with flow phonation: A pilot study. Journal of Laryngology and Voice, 2, 64-69.
14. Kelly-Campbell, R.J., Zimmerman, K.R., Atcherson, S.R., & **Zraick, R.I.** (2012). Readability of audiologic self-report assessment tools. Journal of the Academy of Rehabilitative Audiology, XLV, 63-73.
15. **Zraick, R.I.**, Carr, P.B., Gregg, B.A., Smith-Olinde, L., Ghormley, C. & Hutton, T.J. (2011). Information units produced by persons with mild Alzheimer's disease during a picture description task. Journal of Medical Speech-Language Pathology, 19 (2), 37-45.

16. Atcherson, S.R., **Zraick, R.I.** & Brasseur, R.E. (2011). Readability of patient-reported outcome questionnaires for use with persons with tinnitus. Ear and Hearing, 32 (5), 671-673.
17. **Zraick, R.I.**, Kempster, G.B., Connor, N.P, Thibault, S., Klaben, B.K., Bursac, Z., Thrush, C.R., & Glaze, L.E. (2011). Establishing validity of the Consensus Auditory Perceptual Evaluation of Voice. American Journal of Speech-Language Pathology, 20, 14-22.
18. **Zraick, R.I.**, O'Neill, A., Robinson, G.C., McWeeny, E. & Hutton, T.J. (2010). Training speech-language pathology graduate clinicians to administer the National Institutes of Health Stroke Scale. International Journal of Therapy and Rehabilitation, 17 (8), 376-382.
19. Vinson, K.N., **Zraick, R.I.**, & Ragland, F.J. (2010). Injection versus medialization laryngoplasty for the treatment of unilateral vocal fold paralysis: follow-up at six months. Laryngoscope, 120, 1802-1807.
20. Rosen, C., Gartner-Schmidt, J., Casiano, R., Anderson, T.D., Johnson, F.L., Remacle, M., Sataloff, R., Abitbol, J., Shaw, G., Archer, S. & **Zraick, R.I.** (2009). Vocal fold augmentation with Calcium Hydroxylapatite (CaHA): Twelve month report. Laryngoscope, 119, 1033-1041.
21. **Zraick, R.I.** & Risner, B.Y. (2008). Assessment of quality of life in persons with voice disorders. Current Opinion in Otolaryngology & Head and Neck Surgery, 16, 188-193.
22. Morgan, J., **Zraick, R.I.**, Walker, A., Bowen, T. & Johnson, F. (2007). Injection vs. medialization laryngoplasty for the treatment of unilateral vocal fold paralysis. Laryngoscope, 117, 2068-2074.
23. **Zraick, R.I.**, Risner, B.Y., Smith-Olinde, L., Gregg, B.A., Johnson, F.L., & McWeeny, E.K. (2007). Patient versus partner perception of voice handicap. Journal of Voice, 21 (4), 485-494.
24. **Zraick, R.I.**, Gregg, B.A., & Whitehouse, E.L. (2006). Speech and voice characteristics of geriatric speakers: A review of the literature and a call for research and training. Journal of Medical Speech-Language Pathology, 14 (3), 133-142.

25. **Zraick, R.I.**, Gentry, M.A., Smith-Olinde, L., & Gregg, B.A. (2006). The effect of speaking context on elicitation of habitual pitch. Journal of Voice, 20 (4), 545-554.
26. **Zraick, R.I.**, Wendell, K.W., & Smith-Olinde, L. (2005). The effect of speaking task on perceptual judgment of the severity of dysphonic voice. Journal of Voice, 19 (4), 574-581.
27. **Zraick, R.I.**, Birdwell, K.Y., & Smith-Olinde, L.K. (2005). The effect of speaking sample duration on determination of habitual pitch. Journal of Voice, 19 (2), 197-201.
28. **Zraick, R.I.**, Marshall, W.C., Smith-Olinde, L., & Montague, J.C. (2004). The effect of task on determination of habitual loudness. Journal of Voice, 18 (2), 176-182.
29. **Zraick, R.I.**, Davenport, D.J., Tabbal, S.D., Hicks, G.S., Hutton, T.J., & Patterson, J. (2004). Reliability of speech intelligibility ratings using the Unified Huntington's Disease Rating Scale. Journal of Medical Speech-Language Pathology, 12 (1), 31-40.
30. **Zraick, R.I.**, Dennie, T.M., Tabbal, S.D., Hutton, T.J., Hicks, G.S., & O'Sullivan, P. (2003). Reliability of speech intelligibility ratings using the Unified Parkinson's Disease Rating Scale. Journal of Medical Speech-Language Pathology, 11 (4), 227-240.
31. **Zraick, R.I.**, Allen, R.M. & Johnson, S.B. (2003). The use of standardized patients to teach and test interpersonal and communication skills with students in Speech-Language Pathology. Advances in Health Sciences Education, 8, 237-248.
32. **Zraick, R.I.**, Keyes, M., Montague, J. & Keiser, J. (2002). Mid-basal-to-ceiling versus mid-ceiling-to-basal elicitation of maximum phonational frequency range. Journal of Voice, 16 (3), 317-322.
33. **Zraick, R.I.** & Skaggs, S.D., & Montague, J.C. (2000). The effect of task on determination of habitual pitch. Journal of Voice, 14 (4), 484-489.

34. **Zraick, R.I.**, Liss, J.M., Dorman, M.F., Case, J.L., LaPointe, L.L., & Beals, S.P. (2000). Multidimensional scaling of nasal voice quality. Journal of Speech and Hearing Research, 43 (4), 989-996. **Zraick, R.I.** & Liss, J.M. (2000). A comparison of equal-appearing interval scaling and direct magnitude estimation of nasal voice quality. Journal of Speech and Hearing Research, 43 (4), 979-988.
35. **Zraick, R.I.**, Nelson, J.C., Montague, J.C., & Monoson, P.K. (2000). The effect of task on determination of maximum phonational frequency range. Journal of Voice, 14 (2), 154-160.
36. **Zraick, R.I.**, LaPointe, L.L., Case, J.L. & Duane, D.D. (1993). Acoustic correlates of vocal quality in individuals with spasmodic torticollis. Journal of Medical Speech-Language Pathology, 4, 261-270.
37. **Zraick, R.I.** & Boone, D.R. (1991). Spouse attitudes toward the person with aphasia. Journal of Speech and Hearing Research, 34, 123-128.

#### **B. Textbooks in Print:**

1. Boone, D.R., McFarlane, S.C., Von Berg, S.L. & **Zraick, R.I.** (2013). The Voice and Voice Therapy (9<sup>th</sup> edition). New York: Pearson.
2. Boone, D.R., McFarlane, S.C., Von Berg, S.L. & **Zraick, R.I.** (2009). The Voice and Voice Therapy (8<sup>th</sup> edition). New York: Allyn and Bacon.

#### **C. Book Chapters in Print or Press:**

1. Hadden, K.H., **Zraick, R.I.**, & Atcherson, S.R. (In press, 2015). Health Literacy Implications for Head and Neck Cancer Patients. In B. Hoffman Ruddy, H. Ho, C. Sapienza & J.L. Lehman (Eds.), Cases in Head and Neck Cancer. San Diego, CA: Plural Publishing.
2. Jacobson, B.H. & **Zraick, R.I.** (2011). Patient-Reported Outcomes in Voice Disorders. In E. Ma & E. Yiu (Eds.), Handbook of Voice Assessments (pp. 331-351). San Diego, CA: Plural Publishing.
3. **Zraick, R.I.** (2009). Voice Use Reduction for the Treatment of Chronic Dysphonia. In J.C Stemple & L.B. Thomas (Eds.), Voice Therapy: Clinical Studies (pp. 93-98). San Diego, CA: Plural Publishing.

4. **Zraick, R.I.** & LaPointe, L.L. (2008). Hyperkinetic Dysarthria. In M.R. McNeil (Ed.), Clinical Management of Sensorimotor Speech Disorders (2<sup>nd</sup> edition) (pp. 152-165). New York: Thieme Medical Publishers.
5. **Zraick, R.I.** (2008). Pick's Disease. In M.R. McNeil (Ed.), Clinical Management of Sensorimotor Speech Disorders (2<sup>nd</sup> edition) (pp. 369-370). New York: Thieme Medical Publishers.
6. Matthews, C., & **Zraick, R.I.** (2008). Wilson's Disease. In M.R. McNeil (Ed.), Clinical Management of Sensorimotor Speech Disorders (2<sup>nd</sup> edition) (pp. 404-406). New York: Thieme Medical Publishers.
7. **Zraick, R.I.** & LaPointe, L.L. (1997). Hyperkinetic Dysarthria. In M.R. McNeil (Ed.), Clinical Management of Sensorimotor Speech Disorders (pp. 249-260). New York: Thieme Medical Publishers.

#### **D. Non-Peer Reviewed Professional Publications:**

1. **Zraick, R.I.**, Harten, A.C., Hagstram, F.H. (2014). Interprofessional education: A primer for training future clinicians. American Speech-Language Hearing Association Perspectives on Issues in Higher Education, 17 (2), 39-46.
2. **Zraick, R.I.** (2014). The Use of Standardized Patients in Communication Sciences and Disorders . ASHA Access Academics and Research webzine. Accessible at <http://www.asha.org/Academic/questions/Use-of-Standardized-Patients-in-CSD/>
3. **Zraick, R.I.** (2008). Commentary on Lewis et al.: Use of simulated patients in development of physiotherapy students' interpersonal skills. International Journal of Therapy and Rehabilitation, 15 (5), 221-229.
4. **Zraick, R.I.** (2004). Playacting with a purpose: Using standardized patients to assess clinical skills. The ASHA Leader, p. 22.
5. Katz, R.C., **Zraick, R.I.**, & Horner, J. (2003). Research evidence, practice guidelines, and ethics. ANCDS Newsletter, 1 (2), 2.
6. **Zraick, R.I.** (2002). The Voice Diagnostic Protocol (S. Awan), Aspen Publications, 2001. Book review for Topics in Language Disorders, 22 (2), 85-86.

7. **Zraick, R.I.** (2002). The use of standardized patients in Speech-Language Pathology. American Speech-Language Hearing Association Perspectives on Issues in Higher Education, 5 (1), 14-16.
8. **Zraick, R.I.** & Allen, R.M. (2002). Using standardized patients to train and test Speech-Language Pathology students. The Innovative Professor in Communication Disorders: The American Speech-Language Hearing Association Perspectives on Issues in Higher Education, 1, 17-19.
9. **Zraick, R.I.** (1999). Clinical Corner: Voice Facilitating Techniques. Quarterly Newsletter of the Arkansas Speech and Hearing Association, 37, 11.
10. **Zraick, R.I.** (1998). Perceptual scaling of synthesized nasal vowels. Dissertation Abstracts International: Section B: the Sciences & Engineering, 59(1-B), 191. University Microfilms International.
11. **Zraick, R.I.** (1997). The Positive Role of Mentoring (Guest Editorial). ASHA, 39 (3), 10.

#### **E. Peer-Reviewed Journal Articles Under Review or Revision:**

#### **F. Funded Grant Awards and Contracts:**

1. **Zraick, R.I.** (2007). Phonatory Airflow System (PAS) Normative Study. Contract amount = \$13,000. Agency: KayPentax Corp., Lincoln Park, NJ.
2. **Zraick, R.I.** (2006). The CAPE-V Validation Study. Contract amount = \$3000. Agency: American Speech-Language-Hearing Association.
3. **Zraick, R.I.** & Gregg, B.A. (2005). An Investigation of the Speech and Voice of Persons with Alzheimer's Disease. Direct costs = \$7500. Granting Agency: UAMS Memory Research Center (funded through grant P30 AG 19606 from the National Institute on Aging).
4. **Zraick, R.I.** (2003). Using Standardized Alzheimer's Disease Patients to Teach Administration of the Mini-Mental State Exam by Speech-Language Pathology Graduate Students. Direct Costs = \$2150. Granting Agency: Arkansas Geriatric Education Center (funded through HRSA grant # 1 D31 HP 80009 01).

5. **Zraick, R.I.** (2002). Clinical Training of Allied Health Professions Students Using Standardized Alzheimer's Disease Patients and Families. Direct Costs = \$8,974. Granting Agency: Arkansas Geriatric Education Center (funded through HRSA grant # 1 D31 HP 80009 01).
6. **Zraick, R.I.** (2001). The Use of Standardized Alzheimer's Disease Patients and Families to Teach and Test Clinical Management by Speech-Language Pathology Graduate Students. Direct Costs = \$13,702. Granting Agency: The UAMS Alzheimer's Disease Center (funded through grant P30 AG 19606 from the National Institute on Aging).
7. **Zraick, R.I.** (2001). The Use of Standardized Patients to Teach Clinical Interviewing Skills to Health Related Professions Students. Direct costs = \$2400. Granting Agency: Arkansas Geriatric Education Center (funded through HRSA grant # 1 D31 HP 80009 01).
8. **Zraick, R.I.** & Hutton, T. (2000). The Use of Standardized Patient Videotaped Interactions to Teach Principles of Clinical Management. Direct costs = \$1650. Granting Agency: UALR Chancellor's Office.
9. **Zraick, R.I.** (1999). The Use of Standardized Aphasic Patients to Teach and Assess Clinical Skills of Speech-Language Pathology Graduate Students. Direct costs = \$5000. Granting Agency: The American Speech-Language-Hearing Foundation (New Investigator Award).

#### **G. Grant Proposals Not Funded:**

1. **Zraick, R.I.** & Gregg, B.A. (2007). The Effect of Divided Attention on Speech Fluency of Adults with Normal Speech. Direct costs = \$150,000. An R03 revised proposal submitted to the NIH, National Institute of Deafness and Other Communication Disorders (NIDCD) (1 R03 DC007999-01). Not scored.
2. **Zraick, R.I.** & Gregg, B.A. (2005). The Effect of Divided Attention on Speech Fluency of Adults with Normal Speech. Direct costs = \$150,000. An R03 proposal submitted to the NIH, National Institute of Deafness and Other Communication Disorders (NIDCD) (1 R03 DC007999-01). Not scored.
3. **Zraick, R.I.** (2003). Using Standardized Alzheimer's Disease Patients to Teach Administration of the Mini-Mental State Exam by Speech-Language Pathology Graduate Students. Direct Costs = \$11,659. Granting Agency: The UAMS Alzheimer's Disease Center.

4. **Zraick, R.I.** (2000). Teaching and Assessing Clinical Skills of Speech-Language Pathology Graduate Students Using Standardized Patients. Direct Costs = \$4597. Granting Agency: Association of Schools of Allied Health Professions.
5. **Zraick, R.I.** (1999). The Use of Standardized Aphasic Patients to Teach and Assess Clinical Skills of Speech-Language Pathology Graduate Students. Direct costs = \$5855. Granting Agency: The UAMS Foundation, Medical Research Endowment Fund.
6. **Zraick, R.I.** (1998). The Use of Standardized Patients to Teach and Assess Clinical Skills of Speech-Language Pathology Graduate Students Working With Geriatric Patients. Direct costs = \$4795. Granting Agency: UAMS Donald W. Reynolds Center on Aging.
7. **Zraick, R.I.** (1998). The Validity of Confirmation of Tracheoesophageal Voice Prosthesis Placement. Direct Costs = \$14,782. Granting Agency: American Cancer Society Institutional Research Grant.

#### **H. National Conference Presentations and Posters:**

1. Engelhoven, A.E., **Zraick, R.I.**, Tulunay-Ugur, O.E., Bursac, Z., Hadden, K.B., & Guyette, T.W. (2015). The Effects of Self-Esteem, Coping, and Voice-Related Quality of Life on Communicative Participation Before and After Botox Treatment. Poster presented at the Annual Convention of the American Speech-Language-Hearing Association, Denver, Co.
2. Carson, C., Ryalls, J., Luna-Webb, S., & **Zraick, R.I.** (2015). Comparison of Acoustic Software Programs in Discrimination Between Those With Friedreich's Ataxia & Normal Peers. Poster presented at the Annual Convention of the American Speech-Language-Hearing Association, Denver, Co.
3. Tharpe, A.M. & Zraick, R.I. (November 2014). Development and Use of Standardized Patients In Your Clinical Education Program. Invited speaker for SIG 10 sponsored seminar at the Annual Convention of the American Speech-Language-Hearing Association, Orlando, FL.
4. Nicholson, N., Martin, P., Atcherson, S.R., **Zraick, R.I.**, & Schlagenhaut, L. (April, 2014). Readability and Usability of EHDI Newborn Hearing Screening Brochures. Poster presented at the 2014 Early Hearing Detection and Intervention Convention, Jacksonville, FL.

5. Matthies, M., Speakman, E., Tharpe, A.M., Wellman, B., Williams, S., & **Zraick, R.I.** (November, 2013). Cutting Edge Graduate Education: Interprofessional Education and Simulated Patients. Invited panelist for SIG 10 sponsored seminar at the Annual Convention of the American Speech-Language-Hearing Association, Chicago, IL.
6. **Zraick, R.I.**, Shapley, K.L., McWeeny, E.K., Brazear, L., Clark, S., & Tulunay-Ugur, O.E. (April, 2013). The Effect of Number of Speaking Trials on Speech Aerodynamic Measures Obtained From Geriatric Speakers with Normal Voice. Poster at the American Laryngological Association Annual Meeting.
7. Montero, M., Rangarathnam, B., **Zraick, R.I.**, & Tulunay-Ugur, O.E. (April, 2013). Speech aerodynamic measurements after balloon dilatation in subglottic stenosis. Poster at the American Laryngological Association Annual Meeting.
8. Schlagenhaut, L., Atcherson, S.R., Nicholson, N., & **Zraick, R.I.** (April, 2013). Readability of EHDI Parent Information Materials. Poster presented at the 2013 Early Hearing Detection and Intervention Convention, Glendale, AZ.
9. Spragins, M., Atcherson, S.R., Nicholson, N., & **Zraick, R.I.** (April, 2013). User Friendliness of EHDI Parent Information Materials. Poster presented at the 2013 Early Hearing Detection and Intervention Convention, Glendale, AZ.
10. Johnson, J., Atcherson, S.R., & **Zraick, R.I.** (April, 2013). Increasing Readability and User-Friendliness in Patient Reports. Poster presented at the American Academy of Audiology Convention and Exposition, Anaheim, CA.
11. **Zraick, R.I.** (November, 2012). The Use of Standardized Patients in Clinical Skills Education. Seminar at the Annual Convention of the American Speech-Language-Hearing Association, Atlanta, GA.
12. **Zraick, R.I.**, & Atcherson, S.R. (November, 2012). Health Literacy and the Role of the CSD Professional. Seminar at the Annual Convention of the American Speech-Language-Hearing Association, Atlanta, GA.
13. Atcherson, S.A. & **Zraick, R.I.** (November, 2012). Readability of Health Materials in Communication Disorders. Poster at the Annual Convention of the American Speech-Language-Hearing Association, Atlanta, GA.

14. Atcherson, S. R. & **Zraick, R.I.** (April, 2011). Can You Read Me Now?: Improving Readability of Patient Print Materials. Paper at the American Academy of Audiology Annual Convention and Exposition, Chicago, IL.
15. **Zraick, R.I.**, Pickett, H., Guyette, T.W., Gregg, B.A., & McWeeny, E. (November 2009). Voice Use Reduction as a Treatment for Chronic Dysphonia: A Case Study. Poster at the Annual Convention of the American Speech-Language-Hearing Association, New Orleans, LA.
16. **Zraick, R.I.**, Beatty, J.B., Robinson, G.C., & McWeeny, E. (November 2009). Development of a Communication-Related Quality of Life Scale for Laryngectomees. Technical Paper at the Annual Convention of the American Speech-Language-Hearing Association, New Orleans, LA.
17. **Zraick, R.I.**, Shotts, L., & Jones, J. (November 2009). KayPENTAX Phonatory Aerodynamic System (PAS) Adult Normative Data. Technical Paper at the Annual Convention of the American Speech-Language-Hearing Association, New Orleans, LA.
18. Gregg, B.A., Lyle, C.S., **Zraick, R.I.**, & Smith-Olinde, L.S. (November 2009). Stuttering-Like Dysfluencies in the Speech of Patients with Parkinson's Disease. Poster at the Annual Convention of the American Speech-Language-Hearing Association, New Orleans, LA.
19. **Zraick, R.I.**, Pickett, H., Guyette, T.W., Gregg, B.A., & McWeeny, E. (June 2009). Voice Use Reduction as a Treatment for Chronic Dysphonia: A Case Study. Poster at the Voice Foundation's 38th Annual Symposium: Care of the Professional Voice, Philadelphia, PA.
20. Vinson, K., **Zraick, R.I.**, & Johnson, F.L. (May 2009). Injection vs. Medialization Laryngoplasty for the Treatment of Unilateral Vocal Fold Paralysis: Follow-up at Six Months. Poster at the 112<sup>th</sup> Annual Combined Otolaryngology Spring Meetings (COSM), Phoenix, AZ.
21. **Zraick, R.I.** & Jacobson, B.H. (November, 2008). Quality of Life in Persons with Voice Disorders. Seminar at the Annual Convention of the American Speech-Language-Hearing Association, Chicago, IL.

22. **Zraick, R.I.**, Klaben, B., Connor, N., Thiebault, S., Kempster, G., Glaze, L., Thrush, C., & Bursac, Z. (November, 2007). Results of The CAPE-V Validation Study. Seminar at the Annual Convention of the American Speech-Language-Hearing Association, Boston, MA.
23. Boone, D.R. & **Zraick, R.I.** (October, 2007). Selection and Use of Auditory Feedback in Voice Therapy. Seminar at the XVI Annual Pacific Voice/UCLA Voice Conference, Los Angeles, CA.
24. Kempster, G., Shrivastav, R. & **Zraick, R.I.** (November 2006). Now Hear This: Perceptual Evaluation of Voice. Invited short course (SID 3) at the Annual Convention of the American Speech-Language-Hearing Association, Miami Beach, FL.
25. **Zraick, R.I.** & Gregg, B.A. (November 2006). The Effect of Divided Attention on Speech Fluency of Persons with Alzheimer’s Disease. Poster at the Annual Convention of the American Speech-Language-Hearing Association, Miami Beach, FL.
26. **Zraick, R.I.**, Risner, B.Y., Gregg, B.A., Johnson, F.L. & McWeeny, E. (November 2006). Patient Versus Partner Perception of Voice Handicap. Poster at the Annual Convention of the American Speech-Language-Hearing Association, Miami Beach, FL.
27. Morgan, J.E., **Zraick, R.I.**, Griffin, A.W., Bowen, T.L., & Johnson, F.L. (May 2006). Injection vs. Medialization Laryngoplasty for the Treatment of Unilateral Vocal Fold Paralysis. Poster at the 109<sup>th</sup> Annual Combined Otolaryngology Spring Meetings (COSM), Chicago, IL.
28. **Zraick, R.I.** (November, 2002). Using Standardized Alzheimer’s Disease Patients for Clinical Teaching and Testing. Technical paper at the Annual Convention of the American Speech-Language-Hearing Association, Atlanta, GA.
29. **Zraick, R.I.**, & Liss, J.M., (November, 2002). Individual Differences in the Perception of Nasality. Poster at the Annual Convention of the American Speech-Language-Hearing Association, Atlanta, GA.
30. **Zraick, R.I.**, Blake, S., Jones, L., Monoson, P.K., Hicks, G., Harmon, A., & O’Sullivan, P. (November, 2002). Reliability of Ratings of Tracheoesophageal Speech. Poster at the Annual Convention of American Speech-Language-Hearing Association, Atlanta, GA.

31. **Zraick, R.I.**, Dennie, T.M., Tabbal, S.D., Hutton, T.J., Hicks, G.S. & O’Sullivan, P. (November, 2002). Speech Ratings Using the Unified Parkinson’s Disease Rating Scale. Poster at the Annual Convention of the American Speech-Language-Hearing Association, Atlanta, GA.
32. **Zraick, R.I.** (October, 2002). Using Standardized Alzheimer’s Disease Patients and Families to Improve Clinical Management by Speech-Language Pathology Graduate Students. Poster at the Annual Alzheimer’s Disease Core Centers Fall Symposium, New York, NY.
33. **Zraick, R.I.**, Sikes, L.L., Hutton, T.J., & Davis, P.N. (March, 2002). The Effect of Visual Input on the Differential Diagnosis of Dysarthria Subtypes. Poster at the Eleventh Biennial Conference on Motor Speech Disorders, Williamsburg, VA.
34. **Zraick, R.I.** & Hutton, T.J. (November, 2001). Using Standardized Patients for Teaching Clinical Management to Undergraduate Students. Technical paper at the Annual Convention of the American Speech-Language-Hearing Association, New Orleans, LA.
35. **Zraick, R.I.** (November, 2000). The Use of Standardized Patients to Teach and Assess Clinical Skills of Speech-Language Pathology Graduate Students. Technical paper at the Annual Convention of the American Speech-Language-Hearing Association, Washington, D.C.
36. **Zraick, R.I.** (1999, April). Perception of Nasal Voice Quality. Technical paper at the Annual Meeting of the American Cleft Palate-Craniofacial Association, Scottsdale, AZ.
37. **Zraick, R.I.**, Liss, J.M., Dorman, M. F., Case, J.L., LaPointe, L.L., & Beals, S. P. (November, 1998). Perception of Nasal Voice Quality. Technical paper at the Annual Convention of the American Speech-Language-Hearing Association, San Antonio, TX.
38. **Zraick, R.I.** & Mowrer, D.E. (1994, November). A Descriptive Case Study of Sudden Onset Adult Stuttering. Paper presented at the Annual Convention of the American Speech-Language-Hearing Association, New Orleans, LA.
39. **Zraick, R.I.**, LaPointe, L.L., Case, J.L., & Duane, D.D. (November, 1993). Acoustic Correlates of Vocal Quality in Individuals with Spasmodic Torticollis. Poster at the Annual Convention of the American Speech-Language-Hearing Association, Anaheim, CA.

### **I. Regional Conference Presentations and Posters and Abstracts:**

1. **Zraick, R.I.** (February, 2012). Patient-Reported Outcome Measures in Voice. Seminar at the 42<sup>nd</sup> Annual Mid-South Conference on Communicative Disorders, Memphis, TN.
2. Atcherson, S. R. & **Zraick, R.I.** (February, 2011). Can You Read Me Now?: Readability of Patient-Related Materials in Communication Disorders. Seminar at the 41<sup>st</sup> Annual Mid-South Conference on Communicative Disorders, Memphis, TN.
3. **Zraick, R.I.** & Jacobson, B.H. (2010, February). Quality of Life in Persons with Voice Disorders. Seminar at the 40<sup>th</sup> Annual Mid-South Conference on Communicative Disorders, Memphis, TN.
4. **Zraick, R.I.** (2006, February). Speech and Voice Characteristics in Geriatric Speakers. Seminar at the 36<sup>th</sup> Annual Mid-South Conference on Communicative Disorders, Memphis, TN.
5. **Zraick, R.I.** (1999, March). Do You See What I Hear? - Movement Disorders and the Dysarthrias. Seminar at the 29<sup>th</sup> Annual Mid-South Conference on Communicative Disorders, Memphis, TN.
6. **Zraick, R.I.** & Case, J.L. (1999, March). Assessment of Speech and Voice in Patients with Craniofacial Anomalies. Seminar at the 29<sup>th</sup> Annual Mid-South Conference on Communicative Disorders, Memphis, TN.

### **J. State Conference Presentations and Posters:**

1. **Zraick, R.I.**, Engelhoven, A.E., & Slavych, B.S. (October, 2013). Assessing Voice-Disordered Quality of Life Across the Lifespan. Seminar at the Annual Convention of the Arkansas Speech-Language-Hearing Association, Little Rock, AR.
2. **Zraick, R.I.** (May, 2013). Aphasia: What First Responders Should Know. One-hour seminar to attendees of the 4th Annual ARSAVES Stroke Teleconference, Little Rock, AR.

3. Atcherson, S.A., Slavych, B.K., Engelhoven, A.E., & **Zraick, R.I.** (October, 2012). Why Do I Sound Old and Can't Hear Like I Used To? Seminar at the Annual Convention of the Arkansas Speech-Language-Hearing Association, Little Rock, AR.
4. Hadden, K., Atcherson, S.R., & **Zraick, R.I.** (June, 2012). Health Literacy and Communication Sciences and Disorders. Seminar at the 6<sup>th</sup> Annual Jane LeBlanc Conference on Communication Disorders, Jonesboro, AR.
5. Atcherson, S.A. & **Zraick, R.I.** (October, 2011). Health Literacy 101: A Primer for the CSD Professional. Seminar at the Annual Convention of the Arkansas Speech-Language-Hearing Association, Little Rock, AR.
6. **Zraick, R.I.** (February, 2011). Voice Facilitating Approaches. Invited seminar at the Annual Convention of the Georgia Speech and Hearing Association, Athens, GA.
7. **Zraick, R.I.** (February, 2011). Patient-Reported Outcomes in Voice. Invited seminar at the Annual Convention of the Georgia Speech and Hearing Association, Athens, GA.
8. **Zraick, R.I.** (February, 2011). Perceptual Evaluation of Voice. Invited seminar at the Annual Convention of the Georgia Speech and Hearing Association, Athens, GA.
9. **Zraick, R.I.** (October, 2010). Voice Facilitating Approaches. Invited seminar at the Annual Convention of the Tennessee Association of Audiologists and Speech Pathologists, Nashville, TN.
10. **Zraick, R.I.** (October, 2010). Patient-Reported Outcomes in Voice. Invited seminar at the Annual Convention of the Tennessee Association of Audiologists and Speech Pathologists, Nashville, TN.
11. **Zraick, R.I.** (October, 2010). Perceptual Evaluation of Voice. Invited seminar at the Annual Convention of the Tennessee Association of Audiologists and Speech Pathologists, Nashville, TN.
12. **Zraick, R.I.** (October, 2008). Clinical Voice Measurement: Making Sense of the Numbers. Seminar at the Annual Convention of the Arkansas Speech-Language-Hearing Association, Hot Springs, AR.

13. **Zraick, R.I.** (October, 2008). Quality of Life in Persons with Voice Disorders Seminar at the Annual Convention of the Arkansas Speech-Language-Hearing Association, Hot Springs, AR.
14. **Zraick, R.I.** (May, 2007). Treatment of Voice and Resonance Disorders Across the Lifespan. Seminar at the Annual Convention of the Arizona Speech-Language-Hearing Association, Scottsdale, Arizona.
15. **Zraick, R.I.** (October, 2006). Speech and Voice Characteristics in Geriatric Speakers. Seminar at the Annual Convention of the Arkansas Speech-Language-Hearing Association, Hot Springs, Arkansas.
16. **Zraick, R.I.** (October, 2005). Treatment of Voice Disorders in Adults and Children. Invited seminar at the Annual Convention of the Arkansas Speech-Language-Hearing Association, Hot Springs, AR.
17. **Zraick, R.I.** (October, 2003). Evaluation and Treatment of Communication Deficits in Persons with Alzheimer's Disease. Annual Convention of the Arkansas Speech-Language-Hearing Association, Hot Springs, AR.
18. **Zraick, R.I.** (October, 2001). Diagnosis and Treatment of Voice Disorders in Adults. Invited seminar at the Annual Convention of the Arkansas Speech-Language-Hearing Association, Hot Springs, AR.
19. Keyes, M., **Zraick, R.I.**, Montague, J. & Keiser, J. (October, 2001). Basal-to-Ceiling versus Ceiling-to-Basal Elicitation of Maximum Phonational Frequency Range. Poster at the Annual Convention of the Arkansas Speech-Language-Hearing Association, Hot Springs, AR.
20. Sikes, L., **Zraick, R.I.**, L., Hutton, T., & Davis, P. (October, 2001). Perceptual Discrimination of Dysarthria Subtypes: A Comparison of Two Methods. Poster at the Annual Convention of the Arkansas Speech-Language-Hearing Association, Hot Springs, AR.
21. **Zraick, R.I.**, Zoeller, M.F., & Zraick, A.G. (October, 2000). Interdisciplinary Examination of the Orofacial Mechanism. Invited seminar at the Annual Convention of the A Annual Convention of the Arkansas Speech-Language-Hearing Association, Hot Springs, AR.

22. **Zraick, R.I.** (October, 1999). Traumatic Brain Injury and Its Effects on Communication. Invited seminar at the Annual Convention of the Arkansas Speech-Language-Hearing Association, Hot Springs, AR.
23. **Zraick, R.I.**, Nelson, J.C., Montague, J.C., & Monoson, P.K. (October, 1999). The Effect of Task on Determination of Maximum Phonational Frequency Range. Poster at the Annual Convention of the Arkansas Speech-Language-Hearing Association, Hot Springs, AR.
24. **Zraick, R.I.** & Case, J.L. (1999, April). Evaluation of Speech and Voice: Patients with Craniofacial Anomalies. Invited seminar at the Annual Convention of the Arizona Speech-Language-Hearing Association, Mesa, AZ.
25. **Zraick, R.I.** (1998, October). Patients with Craniofacial Anomalies: Assessment of Speech and Voice. Invited seminar at the Annual Convention of the Arkansas Speech-Language-Hearing Association, Hot Springs, AR.
26. **Zraick, R.I.** (1997, October). Differential Diagnosis of Dysarthria. Invited seminar at the Annual Convention of the Arkansas Speech-Language-Hearing Association, Hot Springs, AR.
27. **Zraick, R.I.** & Case, J.L. (1996, March). Assessment of Speech and Voice in Patients with Craniofacial Anomalies. Invited seminar at the Annual Convention of the Arizona Speech-Language-Hearing Association, Tucson, AZ.
28. **Zraick, R.I.** & Mowrer, D.E. (1995, April). Sudden Onset of Stuttering in an Adult: A Case Study. Paper presented at the Annual Convention of the Arizona Speech-Language-Hearing Association, Phoenix, AZ.
29. **Zraick, R.I.** (March, 1994). Dysarthria: Differential Diagnosis. Invited seminar at the Annual Convention of the Arizona Speech-Language-Hearing Association, Phoenix, AZ.
30. **Zraick, R.I.**, Charlesworth, B., Gotsch, L. & Talamante, P. (March, 1992). Does the Treatment Setting affect Outcome: A Comparison of Settings for Treating Persons with a CVA. Poster at the Annual Convention of the Arizona Speech-Language-Hearing Association, Phoenix, AZ.
31. **Zraick, R.I.** & Boone, D.R. (March, 1991). Spouse Attitudes Toward the Person with Aphasia. Seminar at the Annual Convention of the Arizona Speech-Language-Hearing Association, Tucson, AZ.

32. **Zraick, R.I.** (March, 1991). A Profile of the Patients Referred by a Team of Otolaryngologists to A Speech-Language Pathologist. Seminar at the Annual Convention of the Arizona Speech-Language-Hearing Association, Tucson, AZ.

#### **K. Chaired Conference Presentations:**

1. **Zraick, R.I.** (October, 2004). ArkSHA Annual Convention, Hot Springs, AR. Various. Student Research Forum. Moderated half-day session.
2. **Zraick, R.I.** (October, 2003). ArkSHA Annual Convention, Hot Springs, AR. Various. Student Research Forum. Moderated half-day session.
3. **Zraick, R.I.** (October, 2002). ArkSHA Annual Convention, Hot Springs, AR. Various. Student Research Forum. Moderated half-day session.
4. **Zraick, R.I.** (March, 2001). UAMS Reynolds Center on Aging Inaugural Lecture Series. D. Boone. I: Communication in Aging. II: Geriatric Grand Rounds. Arranged for and hosted the visit of this ASHA Honoree.
5. **Zraick, R.I.** (October, 2001). ArkSHA Annual Convention, Hot Springs, AR. McCullough, G. Swallowing in the Elderly: Maintaining and Improving Function. Chaired half-day session.
6. **Zraick, R.I.** (October, 2001). ArkSHA Annual Convention, Hot Springs, AR. Collins, K. Memory and Communication in the Elderly: Maintaining and Improving Function. Chaired half-day session.

### **Teaching Record**

#### **A. Graduate Courses Developed and Taught at UAMS and UALR:**

ASP 5252:	Voice Disorders
ASP 5192:	Neurogenic Speech Disorders
ASP 5093:	Neurogenic Language Disorders
ASP 5073:	Advanced Anatomy and Physiology for Speech and Language
ASP 5262:	Cleft Palate-Craniofacial Speech Disorders
ASP 5352:	Communicating with the Older Adult
ASP 6033:	Doctoral Seminar in Language
ASP 6023:	Doctoral Seminar in Speech

ASP 700v:            Doctoral Dissertation

**B. Undergraduate Courses Developed and Taught at UAMS and UALR:**

ASP 4363:            Voice and Stuttering  
ASP 3361:            Anatomy and Physiology for Speech and Language  
ASP 2360:            Introduction to Speech and Hearing

**C. Clinical Teaching at UAMS and UALR:**

ASP 505V:            Graduate Practicum in Speech and Hearing  
ASP 416V:            Undergraduate Practicum in Speech and Hearing

**D. Directed Master's Theses at UAMS and UALR:**

1. Waddle, P. (Completed, Spring 2013). A Survey of Allied Health Students' Knowledge of Health Literacy.
2. O'Neill, A. (Completed Spring 2009). The Ability of Speech-Language Pathology Student-Clinicians to Administer the NIH Stroke Scale.
3. Beatty, J. (Completed Spring 2009). Development of a Communication-Related Quality of Life Scale for Laryngectomees.
4. Pickett, H. (Completed Spring 2007). The Vocal Use Reduction Program.
5. Carr, P. (Completed Spring 2007). Discourse Abilities of Persons with Alzheimer's Disease.
6. Risner, B. (Completed Spring 2006). Patient versus Partner Perception of Voice Handicap.
7. Gentry, M. (Completed Spring 2005). The Effect of Social Speaking Context on Determination of Habitual Pitch.
8. Stewart, S. (Completed Spring 2004). The Effect of Speaking Task on Perception of Severity of Hypokinetic Dysarthria.
9. Cockrell, B. (Completed Spring 2004). The Effect of Speaking Task on Perception of Severity of Hyperkinetic Dysarthria.

10. Davenport, D. (Completed Spring 2003). Reliability of Speech Intelligibility Ratings Using the Unified Huntington's Disease Rating Scale.
11. Marshall, W. (Completed Spring 2003). The Effect of Task on the Elicitation of Habitual Loudness.
12. Dennie, T. (Completed Spring 2002). Reliability of Speech Intelligibility Ratings Using the Unified Parkinson's Disease Rating Scale.
13. Jones, L. (Completed Spring 2002). Perception of Tracheoesophageal Speech by Different Listener Groups: I. Tracheoesophageal Speakers versus Their Significant Others.
14. Blake, S. (Completed Spring 2002). Perception of Tracheoesophageal Speech by Different Listener Groups: II. Speech-Language Pathologists versus Graduate Students.
15. Sykes, L. (Completed Spring 2001). Perceptual Discrimination of Dysarthria Subtypes: A Comparison of Two Methods.
16. Keyes, M. (Completed Spring 2001). Basal-to-Ceiling vs. Ceiling-to-Basal Elicitation of Maximum Phonational Frequency Range.
17. Nelson, J. (Completed Spring 1999). The Effect of Task on Determination of Maximum Phonational Frequency Range.
18. Skaggs, S. (Completed Spring 1998). The Effect of Task on Determination of Habitual Pitch.
19. Golzar, L. (Completed Spring 1998). The Effect of Voice Prosthesis Change on Speech Intelligibility.

**E. Directed Non-Thesis Graduate Research Projects at UAMS/UALR:**

1. Wright, H. (Completed, Fall 2013). Alzheimer's and Other Dementias.
2. Cramblett, K. (Completed Fall 2013). Readability of Audiology Reports in the UALR Speech and Hearing Clinic.
3. Pestel, D. (Completed, Fall 2013). Readability of Speech-Language Pathology Reports in the UALR Speech and Hearing Clinic.

4. Brazear, L. (Completed, Fall 2012). Variability in the Voices of Geriatric Speakers.
5. Combs, S. (Completed, Fall 2012). Readability of PRO Questionnaires for Use with Persons with Traumatic Brain Injury.
6. Clark, S. (Completed, Fall 2011). Variability in the Voices of Geriatric Speakers.
7. Graves, T. (Completed Fall 2011). Quality of Life of Spouses of Persons with Neurogenic Communication Disorders.
8. Hamm, B. (Completed Spring 2011). Readability of PRO Questionnaires for Use with Persons with Dysphagia.
9. Davis, A. (Completed Spring 2011). Readability of PRO Questionnaires for Use with Persons with Aphasia.
10. Brown, A. (Completed Spring 2011). Readability of PRO Questionnaires for Use with Persons with Disfluency.
11. Bonkofsky, A. (Completed Spring 2009). Development of Standardized Patients with Right Hemisphere Communication Impairment.
12. Garner, K. (Completed Spring 2009). The Phonatory Aerodynamic System (PAS) Normative Study.
13. Jones, J. (Completed Spring 2008). The Phonatory Aerodynamic System (PAS) Normative Study.
14. Miles, L. (Completed Spring 2008). Development of Standardized Patients with Visual Neglect.
15. Cheatham, E. (Completed Spring 2008). Readings on Mild Cognitive Impairment and Alzheimer's Disease.
16. Taylor, J. (Completed Spring 2007). The CAPE-V Validation Study.
17. Privett, M. (Completed Fall 2005). Acoustic Analysis of Speech of Persons with Huntington's Disease.
18. Ashmore, R. (Completed Fall 2005). Acoustic Analysis of Speech of Persons with Parkinson's Disease.

19. Robinson, L. (Completed Fall 2005). Voice Deficits of Persons Suffering from Traumatic Brain Injury.
20. Griffin, A. (Completed Fall 2004). The Effect of Botox on Adductor Spasmodic Dysphonia with Essential Voice Tremor.
21. Whitehouse, E. (Completed Fall 2004). Variability in Speech and Voice of Normal Older Versus Younger Adults.
22. Ray, M. (Completed Fall 2004). Fluency of Persons with Huntington's Disease.
23. Wendell, K. (Completed Spring 2004). The Effect of Speaking Task on Perception of Abnormal Voice Quality.
24. Reeves, M. (Completed Spring 2003). Nasalance Values in Normal Geriatric Speakers of English.
25. Birdwell, K. (Completed Spring 2003). The Effect of Length of Speaking Sample on the Elicitation of Habitual Pitch.

#### **F. Presentations within UAMS and UALR Community:**

1. **Zraick, R.I.** (May, 2014). Using Your Voice to Engage Learners. One-hour invited seminar to UAMS Symposium sponsored by the Graduate Student Teaching Association.
2. **Zraick, R.I.** (March, 2014). Aphasia: Classic Clinical Syndromes. One-hour lecture given to first-year medical students at UAMS.
3. **Zraick, R.I.** (January, 2014). Using Your Voice to Engage Learners. One-hour invited seminar to clinical preceptors in the UAMS College of Pharmacy Teaching Certificate Program.
4. Slavych, B.K., Englehoven, A.E., & **Zraick, R.I.** (April, 2013). Voice and Speech Changes in Aging. One-hour Grand Rounds presentation to faculty, staff and students in the Department of Geriatrics at UAMS.
5. **Zraick, R.I.** (March, 2013). Aphasia: Classic Clinical Syndromes. One-hour lecture given to first-year medical students at UAMS.

6. Engelhoven, A.E., & **Zraick, R.I.** (February, 2013). Communication Issues and Alzheimer's Disease. One-hour video teleconference presentation for the AR Geriatric Education Center's "Building Blocks for Better Care of Alzheimer's Disease" Series.
7. **Zraick, R.I.** (October, 2012). Everything I Wanted to Know About Using My Voice Effectively. 90-minute lecture for the UAMS Reynolds Institute on Aging lecture series.
8. Engelhoven, A.E. & **Zraick, R.I.** (September, 2012). Aphasia and the Law. One-hour lecture given to students at the UALR Bowen School of Law.
9. **Zraick, R.I.** (June, 2012). Aphasia: Classic Clinical Syndromes. One-hour lecture for the UAMS Summer Stroke Symposium.
10. Engelhoven, A. & **Zraick, R.I.** (June, 2012). Quality of Life of Caregivers of Persons with Aphasia. One-hour lecture for the UAMS Summer Stroke Symposium.
11. **Zraick, R.I.** (May, 2012). Aphasia: Classic Clinical Syndromes. One-hour lecture given to first-year medical students at UAMS.
12. Tulunay, O. & **Zraick, R.I.** (April 2012). Vocal Health and Rehabilitation. One-hour lecture to attendees at World Health Day celebration at UAMS.
13. **Zraick, R.I.** & Atcherson, S.A. (November, 2011). Health Literacy 101: A Primer for the Allied Health Professional. One-hour Lunch and Learn presentation to faculty, staff and students in the College of Health Related Professions.
14. **Zraick, R.I.** (October, 2011). Neurogenic Speech Disorders. One-hour Grand Rounds presentation to faculty, staff and students in the Department of Geriatrics at UAMS.
15. **Zraick, R.I.** (July, 2011). Behind the Curtain: The Wizardry Behind a High-Impact Slide Presentation. 90-minute workshop for the UAMS Teaching with Technology Symposium.
16. **Zraick, R.I.** (June, 2011). Quality of Life of Caregivers of Persons with Aphasia. One-hour lecture for the UAMS Summer Stroke Symposium.

17. **Zraick, R.I.** (June, 2011). Aphasia: Classic Clinical Syndromes. One-hour lecture for the UAMS Summer Stroke Symposium.
18. **Zraick, R.I.** (June, 2011). Making Your Point with Power: Creating, Designing and Delivering Effective Presentations. Encore presentation given for the UAMS College of Pharmacy Faculty Development Series.
19. **Zraick, R.I.** (May, 2011). Aphasia: Classic Clinical Syndromes. One-hour lecture given to first-year medical students at UAMS.
20. **Zraick, R.I.** (May, 2011). Making Your Point with Power: Creating, Designing and Delivering Effective Presentations. Encore presentation given for the UAMS College of Pharmacy Faculty Development Series.
21. **Zraick, R.I.** (January, 2011). Quality of Life of Caregivers of Persons with Aphasia. One-hour Grand Rounds presentation to faculty, staff and students in the Department of Geriatrics at UAMS.
22. **Zraick, R.I.** (October, 2010). Communication Disability in Aging. One-hour lecture given to students in the UALR course, Interdisciplinary Care of the Older Adult.
23. **Zraick, R.I.** (September, 2010). Making Your Point with Power: Creating, Designing and Delivering Effective Presentations. Encore presentation given at the E-Tech @ Noon Series.
24. **Zraick, R.I.** (July, 2010). Making Your Point with Power: Creating, Designing and Delivering Effective Presentations. Invited opening address at the UAMS Teaching with Technology Symposium.
25. **Zraick, R.I.** (May, 2010). Aphasia: Classic Clinical Syndromes. One-hour lecture given to first-year medical students at UAMS.
26. Tulunay, O. & **Zraick, R.I.** (April 2010). Vocal Health and Rehabilitation. One-hour lecture to attendees at World Health Day celebration at UAMS.
27. **Zraick, R.I.** (December, 2009). Inspired To Do Research. Panelist for a one-hour Lunch and Learn presentation to faculty, staff and students in the College of Health Related Professions.

28. **Zraick, R.I.** (September, 2009). Classic Aphasia Syndromes. One-hour Grand Rounds presentation to faculty, staff and students in the Department of Neurology at UAMS.
29. **Zraick, R.I.** (August, 2009). Communication Impairment after Right Hemisphere Brain Damage. One-hour Grand Rounds presentation to faculty, staff and students in the Department of Neurology at UAMS.
30. **Zraick, R.I.** (June, 2009). Communication Impairment after Right Hemisphere Brain Damage. One-hour presentation to attendees at the Annual Stroke Symposium sponsored by UAMS.
31. **Zraick, R.I.** (April, 2009). Aphasia: Classic Clinical Syndromes. One-hour lecture given to first-year medical students at UAMS.
32. **Zraick, R.I.** (October, 2008). Communication Impairment after Right Hemisphere Brain Damage. One-hour Grand Rounds presentation to faculty, staff and students in the Department of Geriatrics at UAMS.
33. **Zraick, R.I.** (April, 2008). Aphasia: 50 Years in 50 Minutes. One-hour lecture given to first-year medical students at UAMS.
34. **Zraick, R.I.** (February, 2008). Neurogenic Speech Disorders. One-hour Grand Rounds presentation to faculty, staff and students in the Department of Neurosurgery at UAMS.
35. **Zraick, R.I.** (October, 2007). Neurogenic Speech Disorders. One-hour Grand Rounds presentation to faculty, staff and students in the Department of Geriatrics at UAMS.
36. **Zraick, R.I.** (September, 2007). Classic Aphasia Syndromes. 90-minute Grand Rounds presentation to faculty, staff and students in the Department of Neurosurgery at UAMS.
37. **Zraick, R.I.** (April, 2007). Aphasia: 50 Years in 50 Minutes. One-hour lecture given to first-year medical students at UAMS.
38. **Zraick, R.I.** (September, 2006). Classic Aphasia Syndromes. One-hour Grand Rounds presentation to faculty, staff and students in the Department of Geriatrics at UAMS.

39. **Zraick, R.I.** (September, 2006). Classic Aphasia Syndromes. 90-minute Grand Rounds presentation to faculty, staff and students in the Department of Neurosurgery at UAMS.
40. **Zraick, R.I.** (April, 2006). Aphasia: 50 Years in 50 Minutes. One-hour lecture given to first-year medical students at UAMS.
41. **Zraick, R.I.** (March, 2006). The Use of Standardized Alzheimer's Disease Patients and Families with Students in Speech-Language Pathology. UALR College of Professional Studies Research Symposium.
42. **Zraick, R.I.** (April, 2005). Aphasia: 50 Years in 50 Minutes. One-hour lecture given to first-year medical students at UAMS.
43. **Zraick, R.I.** (February, 2005). Using Standardized Patients to Train and Test Students in the Allied Health Professions. One-hour Lunch and Learn presentation to faculty, staff and students in the College of Health Related Professions.
44. **Zraick, R.I.** (February, 2005). Speech and Voice Characteristics of Geriatric Speakers. One-hour Grand Rounds presentation to faculty, staff and students in the Department of Geriatrics at UAMS.
45. **Zraick, R.I.** (January, 2005). The Use of Standardized Alzheimer's Disease Patients and Families with Students in Speech-Language Pathology. Teaching Scholars Health Professions Education Exhibit at UAMS.
46. **Zraick, R.I.** (April, 2004). Aphasia: 45 Years in 45 Minutes. One-hour lecture given to first-year medical students at UAMS.
47. **Zraick, R.I.** (November, 2003). A New Way to Teach: Clinical Training of Speech-Language Pathology Students Using Standardized Patients with Alzheimer's Disease. KUDOS Series (Knowledge, Understanding and Dialogue about Original Scholarship), University of Arkansas at Little Rock.
48. **Zraick, R.I.** (May 2003). Communication Skills of Persons with Alzheimer's Disease. Invited presentation for the UAMS Alzheimer's Disease Center Seminar Series, Little Rock, AR.
49. **Zraick, R.I.** (April, 2003). Aphasia: 45 Years in 45 Minutes. One-hour lecture given to first-year medical students at UAMS.

50. **Zraick, R.I.** (September 2002). The Use of Standardized Alzheimer's Disease Patients and Families to Teach and Test Clinical Management by Speech-Language Pathology Graduate Students. Paper presented at the First Annual UAMS Alzheimer's Disease Core Center Research Day, Little Rock, AR.
51. **Zraick, R.I.** (June 2002). Communicating with the Older Adult. One-hour lecture given to nurses in the AR-GEMS Summer Faculty Institute offered by the AR Geriatric Education Center.
52. **Zraick, R.I.** (April, 2002). Aphasia: Differential Diagnosis. One-hour lecture given to first-year medical students at UAMS.
53. **Zraick, R.I.** (October, 2001). Evaluation and Treatment of Swallowing Disorders. 90-minute lecture given to students in Clinical Nutrition and Dietetics.
54. **Zraick, R.I.** (April, 2001). Aphasia: 60 Years in 60 Minutes. One-hour lecture given to first-year medical students at UAMS.
55. **Zraick, R.I.** (October, 2000). Dysphagia. 90-minute invited lecture given to graduate students in Clinical Nutrition and Dietetics at UAMS.
56. **Zraick, R.I.** (October, 2000). Speech Pathology Services at UAMS. One-hour in-service given to medical residents from the Department of Otolaryngology at UAMS.
57. **Zraick, R.I.** (July, 2000). Speech Pathology Services at UAMS. One-hour in-service given to medical residents from the Department of Otolaryngology at UAMS.
58. **Zraick, R.I.** (July, 1999). Differential Diagnosis of the Dysarthrias. One-hour in-service given to medical residents from the Department of Otolaryngology at UAMS.
59. **Zraick, R.I.** (April, 2000). Neurogenic Language Disorders. One-hour lecture given to first-year medical students at UAMS.
60. **Zraick, R.I.** (April, 1999). Aphasia Classification System. One-hour lecture given to first-year medical students at UAMS.

## Service Record

### I. Professional Association Service

1. Editorial review board member for the *International Journal of Therapy and Rehabilitation* (2008 to present).
2. Ad-hoc reviewer for the *Journal of Medical Speech-Language Pathology* (2002 to present).
3. Ad-hoc reviewer for the *Journal of Speech, Language and Hearing Research* (2002 to present).
4. Ad-hoc reviewer for the *Cleft Palate-Craniofacial Journal* (2001 to present).
5. Editorial review board member for ASHA's Special Interest Groups 3 (Voice and Voice Disorders) and 10 (Higher Education), Perspectives.
6. Ad-hoc reviewer for the Academy of Neurological Disorders and Sciences (2001 to present).
7. Panel reviewer for the New Century Scholars Program offered by the American Speech and Hearing Foundation (2004).
8. Panel reviewer for New Investigator Research Forum at the Voice Foundation's 38th Annual Symposium: Care of the Professional Voice, Philadelphia, PA (2009).
9. Program Committee for the Annual Convention of the Arkansas Speech and Hearing Association (2002, 2003, 2004). Chair of student posters and technical presentations.

### Presentations To Central Arkansas Community:

1. **Zraick, R.I.** (July 2013). Using Your Voice to Engage Learners. One-hour invited seminar to attendees of the UAMS Teaching with Technology Symposium.
2. **Zraick, R.I.** (June, 2013). Aphasia: Classic Clinical Syndromes. One-hour seminar given to attendees at the UAMS Summer Stroke Symposium.

3. Engelhoven, A.E., & **Zraick, R.I.** (June, 2013). Quality of Life of Caregivers of the Person with Aphasia. One-hour seminar given to attendees at the UAMS Summer Stroke Symposium.
4. Slavych, B.K. & **Zraick, R.I.** (May, 2013). Communication Disability in Aging. One-hour lecture to attendees of the AR-GEMS Summer Faculty Institute offered by the AR Geriatric Education Center.
5. **Zraick, R.I.** (May, 2013). Aphasia: What Emergency Responders Should Know. One-hour invited seminar to attendees of the 4<sup>th</sup> Annual Arkansas Saves Stroke Teleconference.
6. Engelhoven, A.E. & **Zraick, R.I.** (February, 2013). Communication issues in Alzheimer's Disease. One-hour lecture given to attendees of the AR-GEMS Summer Faculty Institute offered by the AR Geriatric Education Center.
7. **Zraick, R.I.** (May, 2011). Communication Disability in Aging. One-hour lecture given to attendees of the AR-GEMS Summer Faculty Institute offered by the AR Geriatric Education Center.
8. **Zraick, R.I.** (May, 2009). Communication Disability in Aging. One-hour lecture given to attendees of the AR-GEMS Summer Faculty Institute offered by the AR Geriatric Education Center.
9. **Zraick, R.I.** (February, 2009). Speech and Voice Characteristics of Geriatric Speakers. One-hour seminar sponsored by the AR Geriatric Education Center for their Video Teleconference on Communication Challenges in Older Adults.
10. **Zraick, R.I.** (June, 2008). Speech and Voice Characteristics of Geriatric Speakers. One-hour seminar sponsored by the AR Geriatric Education Center for their Summer Institute on Aging.
11. **Zraick, R.I.** (June, 2006). Speech and Voice Characteristics of Geriatric Speakers. One-hour seminar sponsored by the AR Geriatric Education Center for their Summer Institute on Aging.
12. **Zraick, R.I.** (April, 2005). Communicating with Persons with Alzheimer's Disease. One-hour in-service given to professionals at Saline Memorial Hospital (Benton, AR) for their Generations Lunch and Learn Series.

13. **Zraick, R.I.** (May, 2005). Speech and Voice Characteristics of Geriatric Speakers. One-hour seminar sponsored by the AR Geriatric Education Center for their Summer Institute on Aging.
14. **Zraick, R.I.** (January, 2004). Is There an Effect of Speaking Task on Acoustic Measures of Voice Production? Seminar for the Central Arkansas Voice Consortium, Little Rock, AR.
15. **Zraick, R.I.**, & Johnson, F.L. (October, 2003). Medical and Behavioral Evaluation and Treatment of Pediatric Voice Disorders. Seminar at the Annual Education Conference of the Little Rock School District, Little Rock, AR.
16. **Zraick, R.I.** (May, 2001). Evaluation and Treatment of Voice Disorders in School-Aged Children. Seminar at the Annual Education Conference of the Little Rock School District, Little Rock, AR.
17. **Zraick, R.I.** (May, 2001). Evaluation and Treatment of Resonance Disorders in School-Aged Children. Seminar at the Annual Education Conference of the Little Rock School District, Little Rock, AR.
18. **Zraick, R.I.** (1999, September). Evaluation and Treatment of Swallowing Disorders. Conway Human Development Center. Conway, AR.
19. **Zraick, R.I.** (1999, August). Speech Pathology 101: A Primer for Dental Hygienists. Invited seminar for the Arkansas State Dental Hygienist's Association Summer CE Series. England, AR.
20. **Zraick, R.I.** (1997, November). Compensatory Voicing Techniques for Spasmodic Dysphonia. One-hour lecture given to the support group of the Spasmodic Dysphonia Association of Arkansas.

**Master's Thesis Committees:**

1. Lyle, C. (May 2008). Speech Fluency of Persons with Parkinson's Disease and Huntington's Disease. Directed by Brent Gregg, Ph.D.
2. Burrow, L. (May, 2003). The Attitudes of Adult Children of Persons with Aphasia. Directed by Priscilla Davis, Ph.D.

3. Reel, M. (May, 2002). The Development of a Training Module to Increase Graduate Students' Ability to Identify Perceptual Characteristics of Children with Mild Autism. Directed by Betholyn Gentry, Ph.D.
4. Phillips, S. (May, 2000). The Effects of Word Final Devoicing of /z/ on the Perception of Effeminate Voice. Directed by Elisa Huff, Ph.D.

### **Doctoral Dissertation Committees:**

1. Rangarathnam, B. (2013). Telemedicine vs. traditional treatment for muscle tension dysphonia. Directed by Gary McCullough, Ph.D.
2. Kamarunas, E. (2011). Effects of topical nasal anesthesia on flexible endoscopic examination of swallowing with sensory testing (feesst) on healthy participants. Directed by Gary McCullough, Ph.D.
3. Balou, M. (2011). Videomanometric measures of head rotation and chin tuck in head & neck cancer patients. Directed by Gary McCullough, Ph.D.
4. Lowry, M. (2011). An analysis of communicative participation in an elderly population. Directed by Kim McCullough, Ph.D.
5. Shotts, L. (2011). The ability of temporal air pressure and airflow measures to discriminate subjects receiving velopharyngeal insufficiency surgery. Directed by Thomas Guyette, Ph.D.

### **Prior Clinical Work Experience (All In Arizona)**

January 1990 to July 1997	President and Clinical Director, Zraick Therapy Consultants, Inc.
August 1990 to July 1997	Speech-Language Pathology Consultant, Arizona Physicians Center; Ear, Nose & Throat.
June 1994 to July 1997	Speech-Language Pathology Consultant, Arizona State Department of Economic Security Comprehensive Medical and Dental Program.
August 1991 to July 1997	Contract Speech-Language Pathologist, Sundance Rehabilitation, Inc.

- January 1990 to August 1990 Contract Speech-Language Pathologist,  
Boswell Memorial Hospital.
- September 1989 to Jan. 1990 Director of Speech-Language Pathology,  
Arizona Rehabilitation Center
- September 1988 to August 1989 Speech-Language Pathologist,  
Valley of the Sun Rehabilitation Hospital.
- November 1987 to August 1988 Clinical Fellow in Speech-Language Pathology,  
Sun Rehabilitation Agency/Inspeech-Novacare, Inc.