

## Dr. John Hawks

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### Education

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<b>Ph.D., Communication Sciences</b> Washington University	<b>1990</b>
<b>M.S., Audiology</b> Washington University	<b>1985</b>
<b>B.M., Music Education</b> Washburn University	<b>1974</b>

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### Publications

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Fourakis, M.S., Hawks, J.W., Zingler, H., and Persak, L. (2007). Evaluation of the consonant-nucleus-consonant word test as spoken by a female speaker. Presented at The Conference of The Acoustic Society of America, November 30, 2007, New Orleans, LA. Publication:	2007
Fourakis, M.S., Alexander, J.M., Hawks, J.W., and Kluender, K. (2007). The effect of the outer/middle ear transfer function on vowel identification by persons fitted with a cochlear implant. International Conference on Implantable Auditory Prostheses, July 17, 2007, Lake Tahoe, CA Publication:	2007
Botinis, A., Fourakis, M.S., Hawks, J.W., and Orfanidou, I. (2006). Production and perception of Greek vowels in normal and cerebral palsy speech. ISCA Workshop on Experimental Linguistics, Athens, Greece, August 28, 2006. Publication:	2006
Skinner, M.W., Holden, L.K., Fourakis, M.S., Hawks, J.W., Holden, T., Arcaroli, J., and Hyde, M. (2006). Evaluation of Equivalency in Two Recordings of Monosyllabic Words. J. Am. Acad. Audiol. 17(5), 350-366. Publication:	2006

- Iliadou, V., Fourakis, M., Vakalos, A., Hawks, J.W., and Kaprinis, G. (2006). Bi-syllabic, Modern Greek word lists for use in word recognition tests. *Inter. J. Audiol.* 45(2), 74-82. 2006  
 Publication:
- Fourakis, M.S., Hawks, J.W., and Davis, E. (2005). On the number of channels needed to classify vowels: Implications for cochlear implants. To be presented at The Conference of The Acoustic Society of America, October, 2005, Minneapolis, MN. 2005  
 Publication:
- Holden, L.K., Hawks, J.W., Fourakis, M.S., Skinner, M.W. and Holden, T.A. (2005). Effect of Frequency Boundary Assignment on Speech Recognition with the ACE Speech Coding Strategy, Part II. International Conference on Implantable Auditory Prostheses, August 21, 2005, Pacific Grove, CA 2005  
 Publication:
- Flexer, C., Hawks, J.W., Wray, D., and Sommers, R. (2004). Survey Information from Families of Children Using Cochlear Implantation. *ASHA Leader* 9 (15), 62. 2004  
 Publication:
- Hawks, J.W., Flexer, C., Wray, D., and Sommers, R. (2004). Feedback from Families of Children Using Cochlear Implants. A.G.Bell Society. 2004  
 Publication:
- Holden, L., Skinner, M., Fourakis, M., Hawks, J., Arcaroli, J., Hyde, M., Holden, T., Gotter, B. (2004). Evaluation of Equivalency in Two Recordings of Monosyllabic Words, VIII International Cochlear Implant Conference, Indianapolis, Indiana. 2004  
 Publication:
- Aravamudhan, R. and Hawks, J.W. (2004). *Acoust. Soc. of Am.*, New York, NY. 2004  
 Publication:
- Aravamudhan, R. and Hawks, J.W. (2004). The role of experience in elicitation of perceptual overshoot. *Am. Aud. Soc. Bull.* 29(1), 38. 2004  
 Publication:
- Hawks, J.W., Fourakis, M.S., and Swager, A. (2004). Optimizing cochlear implant frequency boundary tables for vowel perception: A computer simulation. *Acoust. Soc. of Am.*, New York, NY. 2004  
 Publication:
- Fourakis, M.S., Hawks, J.W., Holden, L.K., Skinner, M.W., and Holden, T.A. (2004). Effect of Frequency Boundary Assignment on Vowel Recognition with the Nucleus 24 ACE Speech Coding Strategy. *J. Am. Acad. Audiol.* 15(4), 281-299. 2004  
 Publication:
- Fourakis, M.S., Hawks, J.W., Holden, L.K., Skinner, M.W., and Holden, T.A. (2003). Effect of Frequency Boundary Assignment on Vowel Recognition with the Nucleus 24 ACE Speech Coding Strategy. International Conference on Implantable Auditory Prostheses, August 21, 2003, Pacific Grove, CA. 2003  
 Publication:

- Aravamudhan, R. and Hawks, J.W. (2003). Perceptual overshoot with speech and non-speech sounds. *Acoust. Soc. of Am.*, Nashville, TN. 2003  
 Publication:
- Fourakis, M.S., Hawks, J.W., and Pita, R. (2003). Perception of synthetic consonant-vowel sequences by Greek listeners, to be presented at the 16th International Symposium on Theoretical and Applied Linguistics, April 12, 2003, Thessaloniki, Greece. 2003  
 Publication:
- Hawks, J.W., Wead, E., and Fourakis, M.S. (2002). Mapping the perceptual space defined by transition onset frequencies of synthetic CV stimuli, *Acoust. Soc. Am.*, June, Pittsburgh, PA. 2002  
 Publication:
- Holden, L.K., Skinner, M.W., Holden, T.A., Fourakis, M.S., & Hawks, J.W. (2002). Effects of frequency boundary assignment with the ACE strategy, *Am. Acad. Aud.*, April, Philadelphia, PA. 2002  
 Publication:
- Botinis, A., Fourakis, M.S., Hawks, J.W., Panagiotopoulou, N., and Pouli, K. (2001). Perception of synthetic vowels by Greek listeners, presented at the 4th International Congress of Greek Linguistics, Sep.15, 2001, Oaris, Greece. 2001  
 Publication:
- Hawks, J.W. and Fourakis, M.S. (2001). Perceptual differences of dynamic speech-like sounds between normal hearing listeners and cochlear implant recipients. *International Conference on Implantable Auditory Prostheses*, Sept. 1, 2001, Pacific Grove, CA. 2001  
 Publication:
- Hawks, J.W. and Fourakis, M.S. (2001). Perception of dynamic speech sounds by normal hearing listeners and cochlear implant recipients. *Acoust. Soc. Am.*, June, 2001, Chicago, IL. 2001  
 Publication:
- Fourakis, M.S., Hawks, J.W., Roth, L.J., & Gibbons, C. (2000). Perception of NU-6 words by cochlear implant users. *ASHA Leader* 5(16), 146. 2000  
 Publication:
- Hawks, J.W. and Fourakis, M.S. Issues relevant to the evaluation of speech intelligibility with cochlear implant recipients. *HS2 Colloquium Series*, Kent State University, Kent, OH, November 19, 1999. 1999  
 Publication:
- Hawks, J.W. and Fourakis, M.S. Issues relevant to the evaluation of speech intelligibility with cochlear implant recipients. Invited talk. *Acoustical Society of America*, November 3, 1999, Columbus, OH. 1999  
 Publication:
- Radhakrishnan, S. and Hawks, J.W. (1999) Is the perceptual magnet effect a matter of auditory sensitivity? *Acoust. Soc. Am.*, Nov. 3, 1999, Columbus, OH. 1999  
 Publication:

- Hawks, J.W., Fourakis, M.S., and Radhakrishnan, S. (1999). The effects of fundamental frequency manipulation on vowel perception by cochlear implant recipients. International Conference on Implantable Auditory Prostheses, Sept. 1, 1999, Pacific Grove, CA. 1999  
Publication:
- Fourakis, M.S. and Hawks, J.W. (1999) Perception of synthetic speech by persons with cochlear implants. ASHA 41(5), 196. 1999  
Publication:
- Krishnamurti, S., Hawks, J.W. and Gerling, I.J. (1999). Comparison of two hearing screening methods for preschool children. Contemp. Iss. In Comm. Sci. & Dis. 26, 63-68. 1999  
Publication:
- Fourakis, M.S. and Hawks, J.W. (1998) Perception of vowels synthesized with different fundamental frequencies. Acoust. Soc. Am., October 15, 1998, Norfolk, VA. 1998  
Publication:
- Hawks, J.W. and Fourakis, M.S. (1998) Perception of synthetic vowels by cochlear implant recipients. Acoust. Soc. Am., October 15, 1998, Norfolk, VA. 1998  
Publication:
- Sommers, R.K., Gerling, I.J., Hawks, J.W., Johnson, H.A., and Sommer, C. (1998) Preparation of early intervention specialists for service to children with deafness and hearing loss and their families: A new interdisciplinary training program. Presented at the Academy of Rehabilitative Audiology Summer Institute, June 11, 1998, Lake Geneva, WI. 1998  
Publication:
- Hawks, J.W. (1998). Sound levels emitted by children's toys. Contemp. Iss. Comm. Sci. & Dis. 25, 45-48. 1998  
Publication:
- Hawks, J.W., Fourakis, M.S., and Arkis, P.N. (1997) Thresholds for detection of simulated spectral prominences by cochlear implant recipients. International Conference on Implantable Auditory Prostheses, August 17, 1997, Pacific Grove, CA. 1997  
Publication:
- Botinis, A., Fourakis, M.S., and Hawks, J.W. (1997) A perceptual study of the Greek vowel space using synthetic stimuli. Eurospeech '97, September 20, 1997, Rhodes, Greece. 1997  
Publication:
- Hawks, J.W., Fourakis, M.S., and Arkis, P.N. (1997) Detection of amplitude changes in the presence of adjacent electrode stimulation by cochlear implant recipients. J. Acoust. Soc. Am., June 18, 1997, State College, PA. 1997  
Publication:
- Hawks, J.W., Fourakis, M.S., Skinner, M.W., Holden, T.A., and L.K. Holden (1997). Effects of formant bandwidth on the identification of synthetic vowels by cochlear implant recipients. Ear and Hearing 18, 479-487. 1997  
Publication:

- Hawks, J.W., Fourakis, M.S., Skinner, M.W., Holden, T.A., and Holden, L.K. Effects of formant bandwidths on the performance of two cochlear implant processing strategies. KSU Celebration of Scholarship, April 25, 1996. 1996  
Publication:
- Hawks, J.W. (1996) Temporal and acoustic parameters mediating perceptual overshoot in vowel perception. *J. Acoust. Soc. Am.* 99(4), 2590. 1996  
Publication:
- Hawks, J.W., Caruso, A.J., Chodzko-Zajko, W.J., and Hardman, H.D. Age-related differences on an auditory-visual Stroop task. KSU Celebration of Scholarship, May 11, 1995. 1995  
Publication:
- Krishnamurti, S., Hawks, J.W., and Gerling, I.J. (1995) Comparison of two hearing screening methods for preschool children. *ASHA* 37(10), 97. 1995  
Publication:
- Renda, S.C., Hawks, J.W., and Klich, R. (1995) An investigation of the perceptual magnet effect in adults. *J. Acoust. Soc. Am.* 97(5), 3420. 1995  
Publication:
- Hawks, J.W., Fourakis, M.S., Skinner, M.W., Holden, T.A., and L.K. Holden (1995) Effects of formant bandwidth on the performance of two cochlear implant processing strategies. *J. Acoust. Soc. Am.* 98(5), 2984. 1995  
Publication:
- Krishnamurti, S. and Hawks, J.W. (1995) Effects of interaction of low- and high- frequency tone complexes on periodicity pitch perception. *J. Acoust. Soc. Am.* 97(5), 3272. 1995  
Publication:
- Hawks, J.W., Caruso, A.J., and Chodzko-Zajko, W.J. (1995) Age-related differences in performance measures for a cross-modal auditory Stroop task. *J. Acoust. Soc. Am.* 7(5), 3285. 1995  
Publication:
- Hawks, I. and Hawks, J.W. (1995) Children with central auditory processing disorder: A transdisciplinary approach to differential diagnosis and intervention. Meeting of the National Association of School Psychologists, March 10, 1995, Chicago, IL. 1995  
Publication:
- Hawks, J.W. and Fourakis, M.S. (1995). The perceptual vowel spaces of American English and Modern Greek: A comparison. *Language & Speech* 38(3), 237-252. 1995  
Publication:
- Hawks, J.W. and Miller, J.D. (1995). A formant bandwidth estimation procedure for vowel synthesis. *J. Acoust. Soc. Am.* 97(2), 1343-1344. 1995  
Publication:
- Hawks, J.W., Caruso, A.J., Chodzko-Zajko, W.J., and Hardman, H.D. (1994) Age- related differences on an auditory-visual Stroop task. *ASHA* 36(10), 211. 1994  
Publication:

- Hawks, J.W., Quinn, B.E., and Anthony, K.A. (1994) Evaluation of individual differences in vowel perception through mimicry. *J. Acoust. Soc. Am.* 95(5), 2925. 1994  
 Publication:
- Hawks, J.W. (1994). Difference limens for formant patterns of vowel sounds. *J. Acoust. Soc. Am.* 95(2), 1074-1084. 1994  
 Publication:
- Hawks, J.W. and DeAngelo, S. (1993) A survey of ototoxicity monitoring programs in Ohio. *ASHA* 35(10), 242. 1993  
 Publication:
- Hawks, J.W. (1993) Individual differences in vowel perception. *ASHA* 35(10), 180. 1993  
 Publication:
- Hawks, J.W. and Sapp, C.L. (1993) A difference limen for periodicity pitch related to spectral change. *J. Acoust. Soc. Am.* 93, 2315. 1993  
 Publication:
- Hawks, J.W. (1992) F3 and perceptual salience of vowel sounds. *ASHA* 34(10). 1992  
 Publication:
- Hawks, J.W. (1990) Difference limens for synthetic vowel spectra. *J. Acoust. Soc. Am.*, 87, S159. 1990  
 Publication:
- Hawks, J.W. and Fourakis, M.S. (1990) On the perceptual vowel space of Modern Greek. *J. Acoust. Soc. Am.*, 87, S160. 1990  
 Publication:
- Hawks, J.W. (1989) Perception of synthetic vowels: A comparison of several classification schemes. *J. Acoust. Soc. Am.*, 86, S78. 1989  
 Publication:
- R.J. Dowling, S.D. Brown, and Hawks, J.W. (1989) Perception of vowels by Budgerigars (*Melopsittacus undulatus*), *J. Acoust. Soc. Am.*, 86, S80. 1989  
 Publication:
- Miller, J.D. and Hawks, J.W. (1989) Target zones for synthetic vowels. *J. Acoust. Soc. Am.*, 85, S51. 1989  
 Publication:
- Hawks, J.W. and Miller, J.D. (1987) Listener-talker interaction: Is there an "autophonic effect?," *J. Acoust. Soc. Am.*, 81 S4 1987  
 Publication:

Miller, J.D. and Hawks (1986) Spectral envelopes and perceptual target zones for vowels:  
Preliminary estimates. J. Acoust. Soc. Am., 79, S66.

1986

Publication:

Fourakis, M.S. and Hawks, J.W. The perceptual vowel spaces of American English and Modern  
Greek: A comparison. Workshop on Modern Greek Linguistics, LSA Summer Institute, 8-4-93,  
Columbus, OH.

Publication:

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## Grants

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**, Preparation of Early Intervention Specialists for** **0 - present**

Awarded: \$196,803.00 (01 1996)

**PI, Determining vowel category boundaries: A multimethod approach.** **0 - present**

Awarded: \$2,500.00 (01 1993)

**, Demonstrating the Capacities of Young Children** **0 - present**

Submitted: \$428,647.00

Status: Not Funded

**Consultant, Speech perception training for adult cochlear implant users** **0 - present**

**, Preparation of Early Intervention Specialists for Services for Children with Deafness and  
Hearing Loss and Their Families** **0 - present**

**, Assessing Speech Perception by Cochlear Implant Users** **0 - present**

Submitted: \$690,965.00

Status: Not Funded

**Consultant, Strategies to optimize benefit from a cochlear implant** **0 - 2007**

**, Creating Doctor of Audiology Pediatric/Educational Specialists to Provide  
Comprehensive Services for Infants & Children Who Are Deaf or Hard-of-Hearing and  
Their Families** **0 - present**

Awarded: \$792,143.00 (09 2003)

**, Preparing Audiologists to Provide a Continuum of Service to Children with Hearing Loss** **0 - present**

Collaboration with: Nancy Creaghead

Awarded: \$56,800.00

