

Dr. John Hawks

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Education

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

Publications

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
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- Hawks, J.W., Flexer, C., Wray, D., and Sommers, R. (2004). Feedback from Families of Children Using Cochlear Implants. A.G.Bell Society. 2004
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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:

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 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
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- 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
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- 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
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- 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
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- 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
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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
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- 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
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- 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
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- Krishnamurti, S., Hawks, J.W., and Gerling, I.J. (1995) Comparison of two hearing screening methods for preschool children. *ASHA* 37(10), 97. 1995
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- 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
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- 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
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- 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
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- Hawks, J.W. (1992) F3 and perceptual salience of vowel sounds. *ASHA* 34(10). 1992
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- 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
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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:

Grants

, 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

