

Douglas H. Whalen

Ph.D. Program in Speech-Language-Hearing Sciences
The Graduate Center, City University of New York
365 Fifth Avenue
New York, NY 10016 USA
+1 (212)817-8806 (office) +1 (212)817-1537 (FAX)
web addresses: www.gc.cuny.edu/speechandhearing/SProL
<http://www.haskins.yale.edu/staff/whalen.html>
emails: dwhalen@gc.cuny.edu, whalen@haskins.yale.edu

Teaching, Research and Management Experience:

- 2014- Adjunct Professor, Dept. of Linguistics, Yale University.
- 2011- Distinguished Professor, City University of New York. Classes: Speech Science, Speech Perception, Speech Production, Articulatory Phonology, Birds and Babies: The Acquisition of Communication.
- 2006-2008 Program Director, Documenting Endangered Languages and Cognitive Neuroscience. US National Science Foundation (NSF), Arlington, VA., USA.
Responsible for distributing \$10m/year in funding for the two programs.
Organized and directed an international strategic planning meeting of endangered language funders and researchers, “Documenting Endangered Languages,” Hanover, NH, USA, October 2007.
Directed an international workshop on the mirror neuron theory of autism, Arlington, VA, July, 2007.
Contributed to NSF initiatives: Science of Learning Centers, Partnerships for International Research and Education, Complexity Working Group.
Contributed to inter-agency efforts: NSF/NIH ([U.S.] National Institutes of Health) Collaborative Research in Computational Neuroscience, multi-agency Interagency Neuroscience Working Group, and [U.S.] National Endowment for the Humanities “Million Book Challenge Working Group.”
- 2000- Vice President of Research, Haskins Laboratories.
Coordinate research activities within the Laboratories, including exploration of new funding sources, internal review of proposals, assistance with management of awards, strategic planning, and management of personnel.
Led donation-based fundraising program, 2005.
Headed the management team for relocation of the Laboratories, including site determination, architectural layout, and logistic implementation (2004-2005).
- 1996-2023 Principal Investigator, “Links between production and perception in speech,” [U.S.] National Institute on Deafness and Other Communication Disorders.

- 2020-2022 Principal Investigator, “Language Learning in Native American Revitalization Programs (LLiNARP)” [U.S.] National Science Foundation. Porter Swentzell, Peggy Mainor, co-PIs.
- 2019-2021 Co-Principal Investigator, “Workshop: 12th International Seminar on Speech Production” [U.S.] National Science Foundation. Mark K. Tiede, Vincent L. Gracco, co-organizers.
- 2018-2019 Principal Investigator, “Workshop: Advancing Research in Phonology via Articulatory Phonology (ARP_AP)” [U.S.] National Science Foundation. Louis M. Goldstein, Adamantios I. Gafos, co-organizers.
- 2014-2021 Principal Investigator, “Improving clinical speech remediation with ultrasound technology,” [U.S.] National Institute on Deafness and Other Communication Disorders. Co-Principal Investigator: Suzanne Boyce, University of Cincinnati.
- 2014-2016 Principal Investigator, “A Common Prosody Platform for Testing Theories and Models of Speech Prosody,” [U.S.] National Science Foundation. Co-Principal Investigator: Yi Xu, University College, London.
- 2014- Director, Healing Through Language initiative, Endangered Language Fund. (healingthroughlanguage.org).
- 2010-2015 Principal Investigator, “From Endangered Language Documentation to Phonetic Documentation,” [U.S.] National Science Foundation.
- 2012-2015 Principal Investigator, “Collaborative Research: Automatically Annotated Repository of Digital Video and Audio Resources Community (AARDVARC),” [U.S.] National Science Foundation; Damir Cavar, Helen Aristar-Dry and Anthony Aristar, co-Principal Investigators.
- 2011-2012 Principal Investigator, “An Ultrasound Investigation of Consonant Harmony in Tahltan (tth),” [U.S.] National Science Foundation.
- 1995-2009 Co-Principal Investigator, “Ontogeny of attunement to the language environment,” [U.S.] National Institute on Deafness and Other Communication Disorders, Catherine T. Best, Principal Investigator.
- 2001-2006 Subcontractor, Electronic Metastructure for Endangered Languages Data (E-MELD) grant, [U.S.] National Science Foundation; Helen Aristar-Dry and Anthony Aristar, Principal Investigators.
- 2004 Principal Investigator, “Shared Instrumentation Grant: Aloka SSD-5500 Ultrasound machine,” [U.S.] National Center for Research Resources.
- 1991-1994 Principal Investigator, “Effects of word frequency and the common/proper dimension in speech,” [U.S.] National Institute on Deafness and Other Communication Disorders.

- 1984 Lecturer in Linguistics, Yale University.
- 1982- Senior Scientist at Haskins Laboratories, New Haven, Connecticut. Research topics include speech perception, speech production and neural imaging.
- 1982-1990 Supervision of the research efforts of visiting scholars using the Laboratories' equipment under an NIH contract.
- 1983-1986 Co-Principal Investigator, "Perceptual bases of stress-timing," [U.S.] National Science Foundation, Carol Fowler, Principal Investigator.
- 1981 "Introduction to Linguistics," Yale University, Summer Session.
- 1980 "Introduction to Linguistics," Yale University, Summer Session.
- 1977-1978 Teaching Assistant for Introductory Courses, Yale University.
- 1978-1982 Research Assistant at Haskins Laboratories, New Haven, Connecticut. Research, leading to dissertation, on the processing of speech with mismatched information, and on the integration of several cues to one phonetic category.

Education:

- B.A. Rice University (cum laude) 1976
 (Four full majors completed: Linguistics, English, Anthropology, German)
- M.A. Yale University 1978 (Linguistics)
- M.Phil. Yale University 1979 (Linguistics)
- Ph.D. Yale University 1982 (Linguistics)
 Dissertation Title: *Perceptual Effects of Phonetic Mismatches*
 Dissertation advisor: Dr. Alvin M. Liberman

Dissertation Committees:

Chair:

- 2021 Jaekoo Kang, City University of New York.
- 2021 Boram Kim, City University of New York.
- 2020 Katherine M. Dawson, City University of New York.
- 2019 Ai Mizoguchi, City University of New York.
- 2018 Micalle Carl, City University of New York.
- 2015 Eric Jackson, City University of New York.
- 2013 Rebecca Buccheri, City University of New York.
- 2007 Sara Giulivi, University of Florence.
- 2007 Heike Lehnert-LeHouillier, University at Buffalo.

Reader:

- 2021 Chaye Nove, City University of New York.
- 2021 Sejin Oh, City University of New York.
- 2018 Stephanie Kakadelis, City University of New York.

- 2018 Emily Long Olsen, City University of New York.
 2016 Marissa Barrera, City University of New York.
 2016 Vikas Grover, City University of New York.
 2014 Timothy Mathes, New York University.
 2014 Anneke Slis, University of Toronto.
 2014 Ylana Beller Marino, City University of New York.
 2013 Michela Cresci, City University of New York.
 2013 Yan Yu, City University of New York.
 2012 Yining Victor Zhou, City University of New York.
 2011 Yana Gilichinskaya, City University of New York.
 2011 Kikuyo Ito, City University of New York.
 2010 Shari Berkowitz, City University of New York.
 2010 Mark Antoniou, University of Western Sydney.

Professional Service:

- 2020 Co-Organizer, “12th International Seminar on Speech Production,” December, 2020. Online event.
 2019 Co-Organizer, Workshop on “Advancing Research in Phonology via Articulatory Phonology (ARP_AP),” July, 2019. Pacific Grove, CA.
 2017-2019 Guest editor, special issue of *Journal of Phonetics* on Voice Onset Time (VOT).
 2016- Chair, Board of Directors, Endangered Language Fund.
 2016- Phonetics editor, Oxford Online Research Encyclopedia of Linguistics.
 2015-2019 Member, National Institutes of Health (US) Study Section Language and Communication (LCOM).
 2013- Editorial Board, *Phonetica*.
 2013 Co-Organizer, Workshop on “Automatically Annotated Repository of Digital Video and Audio Resources Community (AARDVARC),” Ypsilanti, Michigan, May 2013, and New York, New York, October 2013. Funded by NSF.
 2012 Co-Organizer, Workshop on “Prosody of the Wider World (ProWW),” Cologne, Germany, May 2012. Funded by the Volkswagen Foundation.
 2012-2015 Nominating Committee, Linguistic Society of America (chair: 2013-4).
 1995-2015 Founder and President, **The Endangered Language Fund**, Inc. www.endangeredlanguagefund.org
 This NGO provides grant support in two programs; one, aimed at scholars and activists worldwide, enables work on any of the world’s 6,000 or so endangered languages, while the other is intended for members of US Native American tribes who are descended from those contacted by the Lewis and Clark Expedition of 1803-1806.
 2009-2014 Member, Electorate Nominating Committee, Section Z (Linguistics), American Association for the Advancement of Science.
 2007- Editorial Board, *Journal of Phonetics*.
 2004- Member, Committee on Endangered Languages and their Preservation, Linguistic Society of America.
 1999-2007 Associate Editor, *Journal of Phonetics*.
 2008 Co-editor (with Joyce McDonough) of a special issue of *Journal of Phonetics* on the phonetics of Native North American languages.

1990-1992 Member, Review Committee for the journal *Language*, Linguistic Society of America.

Journal Reviewer for: *Journal of the Acoustical Society of America*; (*Attention*), *Perception and Psychophysics*; *Science*; *Journal of Speech, Language and Hearing Research*; *Psychological Review*; *Journal of Phonetics*; *Phonetica*; *Language and Speech*; *Neuropsychologia*; *Language*; *Perceptual and Motor Skills*; *Infant Behavior and Development*; *Journal of Cognitive Neuroscience*; *Journal of Memory and Language*; *Behavior Research Methods (, Instruments and Computers)*; *Studies in Second Language Acquisition*; *PLOS ONE*; *Journal of Cognition*; *Frontiers in Psychology*; *Language, Cognition and Neuroscience*.

Grant reviewer for: VolkswagenStiftung (as a regular panelist); National Science Foundation (NSF; US); National Institutes of Health (NIH; US); European Science Foundation EUROCORES Programme; Natural Sciences and Engineering Research Council (NSERC; Canada).

Honors:

2017 Labex EFL International Chair, Laboratoire de Phonétique et Phonologie (LPP) – Université Sorbonne Nouvelle, Paris.

2013-2008-2007 Fellow, American Association for the Advancement of Science.

2008-2007 Fellow, Acoustical Society of America.

2007 Director's Award for Program Management Excellence, National Science Foundation.

Publications:

Chen, W.-R., Whalen, D. H., & Tiede, M. K. **2021**. A dual mechanism for intrinsic F0. *Journal of Phonetics*, 87(101063), 1-11.

Kabakoff, H. C., Harel, D., Tiede, M. K., Whalen, D. H., & McAllister, T. **2021**. Extending ultrasound tongue complexity measures to speech development and disorders. *Journal of Speech, Language, and Hearing Research*, 64, 2557-2574. doi:10.1044/2021_JSLHR-20-00537

Whalen, D. H., DiCanio, Christian T., & Dockum, Rikker. **2020**. Phonetic documentation in three collections: Topics and evolution. *Journal of the International Phonetic Association*, 1-27. doi: 10.1017/S0025100320000079

DiCanio, C. T., Zhang, C., Castillo García, R., & Whalen, D. H. (2020). Phonetic structure in Yoloxóchitl Mixtec consonants. *Journal of the International Phonetic Association*, 50(3), 333-365. doi:10.1017/S0025100318000294

Roon, Kevin D., Kang, Jaekoo, & Whalen, D. H. **2020**. Effects of ultrasound familiarization on production and perception of non-native contrasts. *Phonetica*, 77, 350-393.

Cialdella, L. A., Kabakoff, H. C., Preston, J. L., Dugan, S. H., Spencer, C., Boyce, S. E., Tiede, M. K., Whalen, D. H., & McAllister, T. **2020**. Auditory-perceptual acuity in rhotic misarticulation: Baseline characteristics and treatment response. *Clinical Linguistics and Phonetics*. doi: 10.1080/02699206.2020.1739749

- Carl, Micalle, Kent, Raymond D., Levy, Erika S., & Whalen, D. H. **2020**. Vowel acoustics and speech intelligibility in young adults with Down syndrome. *Journal of Speech, Language, and Hearing Research*, *63*, 674-687.
- Whalen, D. H., & Chen, W.-R. **2019**. Variability and central tendencies in speech production. *Frontiers in Communication*, *4*(49), 1-9. doi: 10.3389/fcomm.2019.00049.
- Whalen, D. H. **2019**. The Motor Theory of Speech Perception. In M. Aronoff (Ed.), *Oxford Research Encyclopedia of Linguistics*. Oxford University Press. doi: 10.1093/acrefore/9780199384655.013.404
- Whalen, D. H. **2019**. Phonetics. In M. Aronoff (Ed.), *Oxford Research Encyclopedia of Linguistics*: Oxford University Press. doi: 10.1093/acrefore/9780199384655.013.57
- Preston, J. L., McCabe, P., Tiede, M. K., & Whalen, D. H. **2019**. Tongue shapes for rhotics in school-age children with and without residual speech errors. *Clinical Linguistics and Phonetics*, *33*, 334-348.
- Preston, J. L., McAllister, T., Phillips, E., Boyce, S. E., Tiede, M. K., Kim, J. S., & Whalen, D. H. **2019**. Remediating residual rhotic errors with traditional and ultrasound-enhanced treatment: A single-case experimental study. *American Journal of Speech-Language Pathology*, *28*, 1167-1183.
- Chen, W.-R., Whalen, D. H., & Shadle, C. H. **2019**. F0-induced formant measurement errors result in biased variabilities. *Journal of the Acoustical Society of America*, *145*, EL360-EL366.
- Cho, Taehong, Whalen, D. H., & Docherty, Gerard. **2019**. Voice onset time and beyond: Exploring laryngeal contrast in 19 languages. *Journal of Phonetics*, *72*, 52-65.
- Whalen, D. H. **2019**. Normalization of the Natural Referent Vowels. In A. M. Nyvad, M. Hejná, A. Højen, A. B. Jespersen, & M. H. Sørensen (Eds.), *A sound approach to language matters* (pp. 81-88). Aarhus: University of Aarhus.
- Whalen, D. H., & McDonough, Joyce M. **2019**. Under-researched languages: Phonetic results from language archives. In W. F. Katz & P. F. Assmann (Eds.), *Routledge handbook of phonetics* (pp. 51-71). Abingdon, Oxon; New York: Routledge.
- DiCanio, Christian T., Zhang, Caicai, Castillo García, Rey, & Whalen, D. H. **2019**. Phonetic structure in Yoloxóchitl Mixtec consonants. *Journal of the International Phonetic Association*, 1-33. doi: 10.1017/S0025100318000294
- Whalen, D. H. **2019**. Arthur S. Abramson. *Journal of Phonetics*, *72*, 83-84. doi: 10.1016/j.wocn.2019.01.001.
- Whalen, D. H., & Koenig, Laura L. **2018**. Arthur S. Abramson. *Language*, *94*, 969-975.
- Whalen, D. H., Chen, W.-R., Tiede, M. K., & Nam, H. **2018**. Variability of articulator positions and formants across nine English vowels. *Journal of Phonetics*, *68*, 1-14.
- Preston, Jonathan L., McAllister, Tara, Phillips, Emily, Boyce, Suzanne E., Tiede, Mark K., Kim, Jackie S., & Whalen, D. H. (2018). Treatment for residual rhotic errors with high and low frequency ultrasound visual feedback: A single case experimental design. *Journal of Speech, Language, and Hearing Research*, *61*, 1875-1892.
- Abramson, A. S., & Whalen, D. H. **2017**. Voice Onset Time (VOT) at 50: Theoretical and practical issues in measuring voicing distinctions. *Journal of Phonetics*, *63*, 75-86.
- Whalen, D. H., Zunshine, L., Ender, E., Kelbert, E., Tougaw, J., Barsky, R. F., Steiner, P., Holquist, M. **2017**. Validating judgments of perspective embedding: Further explorations of a new tool for literary analysis. *Scientific Study of Literature*, *6*, 278-297.

- Preston, J. L., McAllister Byun, T., Boyce, S. E., Hamilton, S., Tiede, M. K., Phillips, E., Tiede, Rivera-Campos, A., & Whalen, D. H. **2017**. Ultrasound images of the tongue: A tutorial for assessment and remediation of speech sound errors. *Journal of Visualized Experiments*, 119, e55123.
- Jackson, E. S., Tiede, M. K., Riley, M. A., & Whalen, D. H. **2016**. Recurrence quantification analysis of sentence-level speech kinematics. *Journal of Speech, Language and Hearing Research* 59, 1315-1326.
- Jackson, E. S., Tiede, M. K., Beal, D. S., & Whalen, D. H. **2016**. The impact of social-cognitive stress on speech variability, determinism, and stability in adults who do and do not stutter. *Journal of Speech, Language, and Hearing Research*, 59, 1295-1314.
- Whalen, D. H., Moss, M. P., & Baldwin, D. **2016**. Healing through language: Positive physical health effects of indigenous language use [version 1; referees: awaiting peer review]. *F1000Research*, 5(852). doi: 0.12688/f1000research.8656.1
- Shadle, C. H., Nam, H., & Whalen, D. H. **2016**. Comparing measurement errors for formants in synthetic and natural vowels. *Journal of the Acoustical Society of America*, 139, 713-727.
- Dawson, K. M., Tiede, M. K., & Whalen, D. H. **2016**. Methods for quantifying tongue shape and complexity using ultrasound imaging. *Clinical Linguistics and Phonetics*, 30, 328-344.
- Roon, K. D., Dawson, K. M., Tiede, M. K., & Whalen, D. H. **2016**. Indexing head movement during speech production using optical markers. *Journal of the Acoustical Society of America*, 139, EL167-EL171.
- Prom-On, S., Xu, Y., Gu, W., Arvaniti, A., Nam, H., & Whalen, D. H. **2016**. The common prosody platform (CPP): Where theories of prosody can be directly compared *Proceedings of the 8th International Conference on Speech Prosody* (pp. 1-5). doi: 10.21437/SpeechProsody.2016-1.
- Whalen, D. H., Zunshine, L., & Holquist, M. **2015**. Perspective embedding affects reading time: Implications for the reading of literature. *Frontiers in Psychology*, 6(1778), 1-9.
- Jackson, E. S., Yaruss, J. S., Quesal, R. W., Terranova, V., & Whalen, D. H. **2015**. Responses of adults who stutter to the anticipation of stuttering. *Journal of Fluency Disorders*, 45, 38-51.
- Yang, B., & Whalen, D. H. **2015**. Perception and production of American English vowels by American males and females. *Australian Journal of Linguistics*, 35, 121-141.
- Whalen, D. H., & McDonough, J. M. **2015**. Taking the laboratory into the field. *Annual Review of Linguistics*, 1, 395-415.
- DiCanio, C. T., Nam, H., Amith, J. D., Whalen, D. H., & Castillo García, R. **2015**. Vowel variability in elicited versus running speech: Evidence from Mixtec. *Journal of Phonetics*, 48, 45-59.
- Noiray, A., Iskarous, K., & Whalen, D. H. **2014**. Variability in English vowels is comparable in articulation and acoustics. *Laboratory Phonology* 5, 271-288.
- Mayer, C., Gick, B., Weigel, T., & Whalen, D. H. **2013**. Perceptual integration of visual evidence of the airstream from aspirated stops. *Canadian Acoustics*, 41(3), 23-27.
- Nam, H., Mooshammer, C., Iskarous, K., & Whalen, D. H. **2013**. Hearing tongue loops: Perceptual sensitivity to acoustic signatures of articulatory dynamics. *Journal of the Acoustical Society of America*, 134, 3808-3817.

- Nam, H., Giulivi, S., Goldstein, L. M., Levitt, A. G., & Whalen, D. H. **2013**. Computational simulation of CV combination preferences in babbling. *Journal of Phonetics*, 41, 63-77.
- DiCanio, C. T., Nam, H., Whalen, D. H., Bunnell, H. T., Amith, J. D., & Castillo García, R. **2013**. Using automatic alignment to analyze endangered language data: Testing the viability of untrained alignment. *Journal of the Acoustical Society of America*, 134, 2235-2246.
- Iskarous, K., Mooshammer, C. M., Hoole, P., Recasens, D., Shadle, C. H., Saltzman, E., & Whalen, D. H. **2013**. The Coarticulation/Invariance Scale: Mutual Information as a measure of coarticulation resistance, motor synergy, and articulatory invariance in speech. *Journal of the Acoustical Society of America*, 134, 1271-1282.
- Whalen, D. H., Zunshine, L., & Holquist, M. **2012**. Theory of Mind and embedding of perspective: A psychological test of a literary "sweet spot". *Scientific Study of Literature*, 2(2), 301-315.
- Whalen, D. H., & Simons, G. F. **2012**. Endangered language families. *Language*, 88, 155-173.
- Whalen, D. H., Giulivi, S., Nam, H., Levitt, A. G., Hallé, P. A., & Goldstein, L. M. **2012**. Biomechanically preferred consonant-vowel combinations occur in adult lexicons but not in spoken language. *Language and Speech*, 55, 503-515.
- Iskarous, K., McDonough, J., & Whalen, D. H. **2012**. A gestural account of the velar contrast in Navajo. *Laboratory Phonology*, 3, 195-210.
- Katz, L., Brancazio, L., Irwin, J., Katz, S., Magnuson, J., & Whalen, D. H. **2012**. What lexical decision and naming tell us about reading. *Reading and Writing*, 25, 1259-1282.
- Whalen, D. H., Shaw, P. A., Noiray, A., & Antony, R. **2011**. Analogs of Tahltan consonant harmony in English CVC syllables. In W.-S. Lee & E. Zee (Eds.), *Proceedings of the 17th International Congress of Phonetic Sciences* (pp. 2129-2132). Hong Kong: City University of Hong Kong.
- Whalen, D. H., Giulivi, S., Goldstein, L. M., Nam, H., & Levitt, A. G. **2011**. Response to MacNeilage and Davis and to Oller. *Language Learning and Development*, 7, 243-249.
- Whalen, D. H., DiCanio, C. T., & Shaw, P. A. **2011**. Phonetics of endangered languages. *Acoustics Today*, 7(4), 35-42.
- Giulivi, S., Whalen, D. H., Goldstein, L. M., Nam, H., & Levitt, A. G. **2011**. An Articulatory Phonology account of preferred consonant-vowel combinations. *Language Learning and Development*, 7, 202-225.
- Irwin, J. R., Tornatore, L. A., Brancazio, L., & Whalen, D. H. **2011**. Can children with autism spectrum disorders "hear" a speaking face? *Child Development*, 82, 1397-1403.
- Honorof, D. N., & Whalen, D. H. **2010**. Identification of speaker sex from one vowel across a range of fundamental frequencies. *Journal of the Acoustical Society of America*, 128, 3095-3104.
- Iskarous, K., Fowler, C. A., & Whalen, D. H. **2010**. Locus equations are an acoustic expression of articulator synergy. *Journal of the Acoustical Society of America*, 128, 2021-2032.
- Iskarous, K., Nam, H., & Whalen, D. H. **2010**. Perception of articulatory dynamics from acoustic signatures. *Journal of the Acoustical Society of America*, 127, 3717-3728.
- McDonough, J., & Whalen, D. H. **2008**. The phonetics of native North American languages. *Journal of Phonetics*, 36, 423-426.

- Mongillo, E. A., Irwin, J. R., Whalen, D. H., Klaiman, C., Carter, A. S., & Schultz, R. T. **2008**. Audiovisual processing in children with and without autism spectrum disorders. *Journal of Autism and Developmental Disorders*, *38*, 1349-1358.
- Whalen, D. H., Levitt, A. G., & Goldstein, L. M. **2007**. VOT in the babbling of French- and English-learning infants. *Journal of Phonetics*, *35*: 341-352.
- Golumbic, E., Deouell, L. Y., Whalen, D. H., & Bentin, S. **2007**. Representation of harmonic frequencies in auditory memory: A mismatch negativity study. *Psychophysiology*, *44*, 671-679
- Benson, R. R., Richardson, M., Whalen, D. H., & Lai, S. **2006**. Phonetic processing areas revealed by sinewave speech and acoustically similar non-speech. *NeuroImage*, *31*: 342-353.
- Goldstein, Louis M., Whalen, D. H., & Best, Catherine T. (Eds.). **2006**. *Papers in Laboratory Phonology VIII*. Berlin: Mouton de Gruyter.
- Irwin, J. R., Whalen, D. H., & Fowler, C. A. **2006**. A sex difference in visual influence on heard speech. *Perception and Psychophysics*, *68*, 582-592.
- Krakow, R. A., & Whalen, D. H. **2006**. Obituary: Ignatius G. Mattingly. *Acoustics Today* 2(4): 61.
- Whalen, D. H., Benson, R. R., Richardson, M., Swainson, B., Clark, V., Lai, S., et al. **2006**. Differentiation for speech and nonspeech processing within primary auditory cortex. *Journal of the Acoustical Society of America*, *119*, 575-581.
- Whalen, D. H., & Lindblom, B. E. **2006**. Speech, biological basis. In K. Brown (Ed.), *Encyclopedia of language and linguistics* (2nd ed.), vol. 12, pp. 61-68. Oxford: Elsevier.
- Whalen, D. H., Iskarous, K., Tiede, M. K., Ostry, D. J., Lehnert-LeHouillier, H., Vatikiotis-Bateson, E., & Hailey, D. S. **2005**. HOCUS, the Haskins Optically-Corrected Ultrasound System. *Journal of Speech, Language, and Hearing Research*, *48*: 543-553.
- Honorof, D. N., & Whalen, D. H. **2005**. Perception of pitch location within a speaker's F0 range. *Journal of the Acoustical Society of America*, *117*: 2193-2200.
- Whalen, D. H., Magen, H. S., Pouplier, M., Kang, A. M., & Iskarous, K. **2004**. Letter to the editor. *Language*, *80*: 648-649.
- Whalen, D. H., Magen, H. S., Pouplier, M., Kang, A. M., & Iskarous, K. **2004**. Vowel production and perception: Hyperarticulation without a hyperspace effect. *Language and Speech* *47*: 155-174.
- Whalen, D. H., Magen, H. S., Pouplier, M., Kang, A. M., & Iskarous, K. **2004**. Vowel targets without a hyperspace effect. *Language*, *80*: 377-378.
- Whalen, D. H. **2004**. How the study of endangered languages will revolutionize linguistics. In P. van Sterkenburg (Ed.), *Linguistics today: Facing a greater challenge* (pp. 321-342). Amsterdam: John Benjamins.
- Magen, H. S., Kang, A. M., Tiede, M., & Whalen, D. H. **2003**. Posterior pharyngeal wall position in the production of speech. *Journal of Speech Language and Hearing Research* *46*: 241-251.
- Peterson, B. S., Vohr, B., Kane, M. J., Whalen, D. H., Schneider, K. C., Katz, K. H., et al. **2002**. A functional magnetic resonance imaging study of language processing and its cognitive correlates in prematurely born children. *Pediatrics*, *110*: 1153-1162.

- Benson, R. R., Whalen, D. H., Richardson, M. Swainson, B., Clark, V., Lai, S. and Liberman, A. M. **2001**. "Parametrically dissociating speech and non-speech perception in the brain using fMRI." *Brain and Language*, 78: 364-396.
- Liberman, A. M., and D. H. Whalen. **2000**. "On the relation of speech to language." *Trends in Cognitive Sciences*, 4: 187-196.
- Whalen, D. H. **2000**. "Alvin M. Liberman - 1917-2000 - Obituary." *Journal of the Acoustical Society of America*, 108: 2693.
- Whalen, D. H. **2000**. "Occam's razor is a double-edged sword: Reduced interaction is not necessarily reduced power." *Behavioral and Brain Sciences*, 23: 351.
- Whalen, D. H., Gick, B., & LeSourd, P. S. **1999**. Intrinsic F0 in Passamaquoddy vowels. In D. H. Pentland (Ed.), *Papers from the 30th Algonquian conference* (pp. 417-428). Winnipeg: University of Manitoba.
- Whalen, D. H., Kang, A. M., Magen, H., Fulbright, R. K. & Gore, J. C. **1999**. Predicting pharynx shape from tongue position during vowel production. *Journal of Speech, Language and Hearing Research* 42: 592-603.
- Whalen, D. H., Gick, B., Kumada, M., & Honda, K. **1998**. Cricothyroid activity in high and low vowels: Exploring the automaticity of intrinsic F0. *Journal of Phonetics* 27: 125-142.
- Whalen, D. H., Gick, B., Kumada, M. and Honda, K. **1998**. "EMG evidence for the automaticity of intrinsic F0 of vowels." In *Proceedings of the 16th International Congress on Acoustics and 135th Meeting of the Acoustical Society of America*, edited by Patricia K. Kuhl and Lawrence A. Crum, vol. 4, pp. 2951-2952.
- Whalen, D. H. **1997**. "What duplex perception tells us about speech perception." In *Papers from the panels, CLS 33*, edited by Kora Singer, Randall Eggert and Gregory Anderson, pp. 435-446. Chicago:Chicago Linguistic Society.
- Whalen, D. H., Best, C. T. and Irwin, J. R. **1997**. "Lexical effects in the perception and production of American English /p/ allophones." *Journal of Phonetics* 25: 501-528.
- Xu, Y., Liberman, A. M., and Whalen, D. H. **1997**. "On the immediacy of phonetic perception." *Psychological Science* 8: 358-362.
- Whalen, D. H., and Kinsella-Shaw, J. M. **1997**. "Exploring the relationship of breath intake to utterance duration," *Phonetica* 54: 138-152.
- Whalen, D. H., and Sheffert, S. **1997**. "Normalization of vowels by breath sounds." In *Talker variability in speech processing*, edited by Keith Johnson and John W. Mullenix, pp. 133-144. New York:Academic Press.
- Whalen, D. H. and Liberman, A. M. **1996**. "Limits on phonetic integration in duplex perception." *Perception and Psychophysics*, 58: 857-870.
- Whalen, D. H., and Sheffert, S. **1996**. "Perceptual use of vowel and speaker information in breath sounds." In *Proceedings ICSLP 97*, edited by H. Timothy Bunnell and William Idsardi, pp. 2494-2497.
- Levitt, A. G., D. H. Whalen, Smorodinsky, I., and Hsiao, P.-L. **1995**. "La Fréquence fondamentale intrinsèque des voyelles dans le babillage des enfants de six à douze mois d'âge." In *Le développement langagier: Une prédiction précoce est-elle possible?*, edited by G. Knopczynski and S. Vinter, pp 67-79. Calais: Orthoeditions.
- Whalen, D. H. **1995**. "Directions in speech perception research." In *European studies in phonetics and speech communication*, ed. by G. Bloothoof, V. Hazan, D. Huber, and J. Llisteri, pp. 76-80. CIP-Gegevens Koninklijke Bibliotheek: The Hague.

- Whalen, D. H., Levitt, A. G., Hsiao, P.-L., Irwin, J. R., and McGowan, W. **1995**. "Intrinsic F0 in the babbling of Mandarin-learning infants." In *Proceedings of the 13th International Congress of Phonetic Sciences, volume 4*, pp 420-423. Stockholm.
- Whalen, D. H., and Levitt A. G. **1995**. "The universality of intrinsic F0 of vowels." *Journal of Phonetics*, 23: 349-366.
- Whalen, D. H., Levitt A. G., Hsiao, P.-L., and Smorodinsky, I. **1995**. "Intrinsic F0 of vowels in the babbling of 6-, 9- and 12-month-old French- and English-learning infants." *Journal of the Acoustical Society of America*, 97:2533-2539.
- Whalen, D. H., Hoequist, C. E., and Sheffert, S. **1995**. "The effects of breath sounds on the perception of synthetic speech." *Journal of the Acoustical Society of America*, 97: 3147-3153.
- Whalen, D. H., and Zsiga E. C. **1994**. "Subjective familiarity of English word/name homophones," *Behavior Research Methods, Instruments, and Computers*, 26: 402-408.
- Whalen D. H., Abramson A. S., Lisker, L., and Mody, M. **1993**. "F0 gives voicing information even with unambiguous voice onset times," *Journal of the Acoustical Society of America*, 47: 36-49.
- Whalen, D. H. **1992**. "Perception of overlapping segments: Thoughts on Nearey's model," *Journal of Phonetics*, 20: 493-496.
- Whalen D. H., Xu, Y. **1992**. "Information for Mandarin tones in the amplitude contour and in brief segments," *Phonetica*, 49: 25-47.
- Whalen D. H., Levitt, A. G., and Wang, Q. **1991**. "Intonational differences between the reduplicative babbling of French- and English-learning infants," *Journal of Child Language*, 18: 501-516.
- Whalen, D. H. **1991**. "Subcategorical phonetic mismatches and lexical access," *Perception and Psychophysics*, 50: 351-360.
- Whalen, D. H. **1991**. "Perception of the English [s]-[ʃ] distinction relies on fricative noises and transitions, not on brief spectral slices." *Journal of the Acoustical Society of America*, 90: 1776-1785.
- Whalen, D. H. **1991** "Categorical, prototypical and gradient theories of speech: Reaction time data." In *Proceedings of the 12th International Congress of Phonetic Sciences, Aix-en-Provence, Vol 3*, pp. 90-93.
- Whalen D. H., Wiley, E. R., Rubin, P. E., and Cooper, F. S. **1990**. "The Haskins Laboratories pulse code modulation (PCM) system," *Behavior Research Methods, Instruments, and Computers*, 22: 550-559.
- Whalen D. H., Abramson A. S., Lisker, L., and Mody, M. **1990**. "Gradient effects of fundamental frequency on stop consonant voicing judgments," *Phonetica*, 47: 36-49.
- Whalen, D. H. **1990**. "Coarticulation is largely planned," *Journal of Phonetics*, 18: 3-35.
- Nittrouer, S., and D. H. Whalen **1989**. "The perceptual effects of child-adult differences in fricative-vowel coarticulation," *Journal of the Acoustical Society of America*, 86: 1266-1276.
- Whalen, D. H. **1989**. "Vowel and consonant judgments are not independent when cued by the same information," *Perception and Psychophysics*, 46: 284-292.
- Whalen, D. H., and Beddor, P. S. **1989**. "Connections between nasality and vowel duration and height: Elucidation of the Eastern Algonquian intrusive nasal," *Language*, 65: 457-486.

- Whalen D. H., Cooper, A. M., and Fowler, C. A. **1989**. "P-Center judgments are generally insensitive to the instructions given," *Phonetica*, 46: 197-203.
- Cooper, A. M., Whalen, D. H., and Fowler, C. A. **1988**. "The syllable's rhyme affects its P-center as a unit," *Journal of Phonetics*, 16: 231-241
- Fowler, C. A., Whalen, D. H., and Cooper, A. M. **1988**. "Perceived timing is produced timing: A reply to Howell", *Perception and Psychophysics*, 43: 94-98.
- Whalen, D. H., and Liberman, A. M. **1987**. "Speech perception takes precedence over nonspeech perception," *Science*, 237: 169-171.
- Cooper, A. M., Whalen, D. H., and Fowler, C. A. **1986**. "P-centers are unaffected by phonetic categorization", *Perception and Psychophysics*, 39: 187-196.
- Whalen, D. H., and Samuel A. G. **1985**. "Phonetic information is integrated across intervening nonlinguistic sounds," *Perception and Psychophysics*, 37: 579-587.
- Whalen, D. H. **1984**. "Subcategorical phonetic mismatches slow phonetic judgments," *Perception and Psychophysics*, 35: 49-64.
- Whalen, D. H. **1983**. "Vowel information in postvocalic fricative noises." *Language and Speech* 26: 91-100.
- Whalen, D. H. **1982**. "Perceptual Effects of Phonetic Mismatches." Unpublished Ph.D. dissertation, Yale University.
- Whalen, D. H. **1981**. "Effects of vocalic formant transitions and vowel quality on the English [s]-[š] boundary." *Journal of the Acoustical Society of America*, 69: 275-282.
- Whalen, D. H. **1981**. "When anaphors are metaphors." In *Papers from the Seventh LACUS Forum*, edited by James Copeland and Phillip Davis, pp. 276-283. Hornbeam Press, Columbia, SC.
- Whalen, D. H. **1980**. "The Native Speaker and indeterminacy." In *Festschrift for Native Speaker*, edited by Florian Coulmas. Mouton, The Hague.
- Whalen, D. H. **1980**. Review of *The said and the unsaid*, by Stephen Tyler, *Lingua*, 52: 147-150.
- Whalen, D. H. **1979**. Review of *The semantics of metaphor*, by Samuel R. Levin, *Lingua*, 48: 264-271.

Invited Lectures:

- "Uses of Variability in Speech and Birdsong," York College, November, 2020.
- "Variability and central tendencies in speech production," Séminaires de Recherches en Phonétique et Phonologie, Paris, October, 2020.
- "Healing Through Language: Positive health benefits from language maintenance and revitalization," The International Year of Indigenous Languages 2019: Perspectives, Fort Wayne, IN, October, 2019.
- "Characteristics and usefulness of phonetic variability," University of Toronto, October, 2017.
- "Characteristics and usefulness of phonetic variability," University at Buffalo, October, 2017.
- "Characteristics and usefulness of phonetic variability," McMaster University, October, 2017.
- "Phonetic results from endangered language archives," Laboratoire de Phonétique et Phonologie, la Sorbonne Nouvelle, Paris, May, 2017.
- "The uses of phonetic variability," a series of four lectures, Laboratoire de Phonétique et Phonologie, la Sorbonne Nouvelle, Paris, under the auspices of LabEx-EFL (Empirical Foundations of Linguistics), April-May, 2017.

- “Characteristics and usefulness of phonetic variability,” University of Western Sydney, March, 2017.
- “Characteristics and usefulness of phonetic variability,” Macquarie University, March, 2017.
- “Variability of speech production in typical speakers: Implications for motor control and speech deficits,” La Trobe University, February, 2017.
- “Phonetic results from endangered language archives,” University of Melbourne, February, 2017.
- “Phonetic results from endangered language archives,” La Trobe University, February, 2017.
- “Variability of speech production in typical speakers: Implications for motor control and speech deficits,” La Trobe University, February, 2017.
- “Variability of speech production in typical speakers: Implications for motor control and speech deficits,” New York University, November, 2016.
- “Speech science in the clinic,” Molloy College, March, 2016.
- “Ultrasound investigation of speech articulation dynamics,” University of Western Sydney, April, 2010.
- “An Articulatory Phonology account of preferred CV combinations in babbling,” Macquarie University, April, 2010.
- “Links between production and perception in speech,” City University of New York, March, 2010.
- “From endangered language documentation to phonetic documentation,” New York University, December, 2009.
- “Disappearing languages: Why it matters and what it means,” Café Scientifique, National Science Foundation, Arlington, VA, USA, February 2008.
- “Vowel space parameters,” Acoustical Society of America, New Orleans, USA, November 2007.
- “Gestures, features, and mirror neurons”, CONTACT, Lecce, Italy, June 2007.
- “Perception research at Haskins Laboratories.” Institut de Communication Parlée, Grenoble, November 2005.
- “Funding language documentation and revitalization initiatives.” Cornell Conference on Language and Poverty, Ithaca, USA, October 2005.
- “Neurological evidence for a speech mode of perception.” Biennial Rodin Academy Conference: Cultural and Neural Aspects of Language, Reading, and Dyslexia, Beijing, August 2004.
- “How the study of endangered languages will revolutionize linguistics.” Plenary lecture, International Congress of Linguists, Prague, July 2003.
- “Who owns this language?”, Ohio University, USA, April 2002.
- “Occam's razor is a double-edged sword: Reduced interaction is not necessarily reduced power.” Spoken Word Access Processes (SWAP). Max Planck Institute for Psycholinguistics, Nijmegen, May 2000.
- “A sex difference in audiovisual integration of speech.” Max Planck Institute for Psycholinguistics, Nijmegen, January 1999.
- “What duplex perception tells us about speech perception.” Callier Center, University of Texas, Dallas, USA, April 1997.
- “Universal and developmental aspects of intrinsic F0 of vowels.” University of North Carolina, Chapel Hill, USA, April 1997.
- “The use of breath sounds in speech normalization.” (with Sonya Sheffert) Workshop on Talker Variability and Speech Processing, Indianapolis, USA, September 1995.

- “Hot topics in speech communication.” Acoustical Society of America, Washington, DC, May 1995.
- “Universal and developmental aspects of intrinsic F0 of vowels.” Research Laboratory of Electronics, M.I.T., October 1994.
- “Intrinsic F0 in the world's languages.” Institut de Communication Parlée, Grenoble, June 1994.
- “Effects of word frequency on pronunciation.” Department of Psychology, Free University, Brussels, May 1993.
- “Coarticulation is largely pre-planned.” Research Laboratory of Electronics, M.I.T., October 1988.
- “Coarticulation is largely pre-planned.” Department of Linguistics, University of Michigan, September 1988.
- “Vowel and consonant judgments are not independent when cued by the same information,” Department of Linguistics, University of Texas, Austin, USA, August 1988.
- “Coarticulation is largely pre-planned.” Department of Psychology, University of British Columbia, November 1987.
- “Integrating versus disposing theories of language.” Department of Linguistics, The Ohio State University, March 1983.
- Invited Discussant at the Symposium “Metaphor as Process,” at the Annual Meeting of the American Psychological Association, Montreal, September 1980.