

CURRICULUM VITAE

Personal information

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Employment

2016- Department Head, Department of Linguistics, University of Arizona, Tucson.

2012- Professor, Department of Linguistics, University of Arizona, Tucson.

2013-14, Director of Graduate Studies, Department of Linguistics, University of Arizona,
2015-16 Tucson.

2001- Cognitive Science Fellow, University of Arizona, Tucson.

2002- Courtesy appointment in the Department of East Asian Studies, University of Arizona,
Tucson.

2002- Faculty member of the Second Language Acquisition and Teaching Graduate
Interdisciplinary program, University of Arizona, Tucson.

2006- Associate professor, Department of Linguistics, University of Arizona, Tucson.
2012

2000- Assistant professor, Department of Linguistics, University of Arizona, Tucson.
2006

1998- Scientific staff member, Comprehension Group, Max Planck Institute for
2001 Psycholinguistics, Nijmegen, the Netherlands.

Education

1998 Ph.D. University of California, Berkeley. Department of Linguistics. Dissertation: The Role of Dynamic Cues in Speech Perception, Spoken Word Recognition, and Phonological Universals. Dissertation advisor: John Ohala.

1995 M.A., University of California, Berkeley. Department of Linguistics.

1991 B.A. summa cum laude, University of Minnesota. Majors: Japanese, German. Minor: Latin.

Publications

Book

Natasha Warner, Butler, Lynnika, and Geary, Quirina. 2016. *Mutsun-English English-Mutsun Dictionary: mutsun-inkis inkiS-mutsun riica pappel*. Language Documentation & Conservation Special Publication no. 11. Honolulu: University of Hawai'i Press. 672 pages.
<http://hdl.handle.net/10125/24679>

Refereed journal articles

Ussishkin, Adam, Warner, Natasha, Clayton, Ian, Brenner, Dan, Carnie, Andrew, Hammond, Michael, and Fisher, Muriel. Lexical representation and processing of word-initial Morphological alternations: Scottish Gaelic mutation. Submitted to *Laboratory Phonology*.

Warner, Natasha, and Cutler, Anne. (2017). Stress effects in vowel perception: Differences across languages. *Phonetica*, 74(2):81-106.

Warner, Natasha, and Tucker, Benjamin V. In press (2017). An effect of flaps on the fourth formant in English. *Journal of the International Phonetic Association*. [Published online 7 July 2016.]

Schertz, J., Cho, T., Lotto, A., and Warner, N. 2016. Individual differences in perceptual adaptability of foreign sound categories. *Attention, Perception, and Psychophysics*, 78(1):355-367.

Warner, Natasha, Brenner, Dan, Schertz, Jessamyn, Carnie, Andrew, Fisher, Muriel, and Hammond, Michael. 2015. The aerodynamic puzzle of nasalized fricatives: Aerodynamic and perceptual evidence from Scottish Gaelic. *Laboratory Phonology* 6:197-241.

Schertz, J., Cho, T., Lotto, A., and Warner, N. 2015. Individual differences in phonetic cue use in production and perception of a non-native sound contrast. *Journal of Phonetics* **52**:183-204.

Bowern, Claire, and Warner, Natasha. 2015. 'Lone Wolves' and 'Data Scavengers': A reply to Crippen and Robinson (2013). *Language Documentation and Conservation* **9**:59-85.

Warner, Natasha. 2014. Sharing of Data as it relates to Human Subjects Issues and Data Management Plans. Invited for a special issue on Archiving Sociolinguistic Data, eds. Malcah Yaeger-Dror and Christopher Cieri. *Language and Linguistics Compass* **8**:512-518.

Warner, Natasha, McQueen, James, and Cutler, Anne. 2014. Tracking Perception of the Sounds of English. *Journal of the Acoustical Society of America* **135**:2995-3006.

Hammond, Michael, Warner, Natasha, Davis, Andrea, Carnie, Andrew, Archangeli, Diana, and Fisher, Muriel. 2014. Vowel insertion in Scottish Gaelic. *Phonology* **31**:123-153.

Vitela, A.D., Warner, N., & Lotto, A.J. 2013. Perceptual compensation for differences in speaking style. *Frontiers in Psychology* **4**.

Warner, Natasha, and Tucker, Benjamin V. 2011. Phonetic variability of stops and flaps in spontaneous and careful speech. *Journal of the Acoustical Society of America* **130**:1606-1617.

Tucker, Benjamin V., and Warner, Natasha. 2010. What it means to be phonetic or phonological: The case of Romanian devoiced nasals. *Phonology* **27**:289-324.

Warner, Natasha, Otake, Takashi, and Arai, Takayuki. 2010. Intonational Structure as a Word Boundary Cue in Japanese. *Language and Speech* **53**:107-131.

Warner, Natasha, Luna, Quirina, Butler, Lynnika, and Van Volkinburg, Heather. 2009. Revitalization in a scattered language community: Problems and methods from the perspective of Mutsun language revitalization. *International Journal of the Sociology of Language* **198**:135-148.

Warner, Natasha, Fountain, Amy, and Tucker, Benjamin V. 2009. Cues to Perception of Reduced Flaps. *Journal of the Acoustical Society of America* **125**:3317-3327.

Ogasawara, Naomi, and Warner, Natasha. 2009. Processing missing vowels: Allophonic processing in Japanese. *Language and Cognitive Processes* **24**: 376-411.

Warner, Natasha, Luna, Quirina, and Butler, Lynnika. 2007. Ethics and revitalization of dormant languages: The Mutsun language. *Language Documentation and Conservation*, **1**: 58-76.

Warner, Natasha, Butler, Lynnika, and Luna-Costillas, Quirina. 2006. Making a dictionary for community use in language revitalization: The case of Mutsun. *International Journal of Lexicography*, **19**: 257-285.

Warner, Natasha, Good, Erin, Jongman, Allard, and Sereno, Joan. 2006. Orthographic vs. morphological incomplete neutralization effects. Letter to the editor, *Journal of Phonetics* **34**:285-293.

Warner, Natasha, Kim, Jeesun, Davis, Chris, and Cutler, Anne. 2005. Use of complex phonological patterns in processing: Evidence from Korean. *Journal of Linguistics* **41**:353-387.

Warner, Natasha, Smits, Roel, McQueen, James, and Cutler, Anne. 2005. Phonological and frequency effects on timing of speech perception: A database of Dutch diphone perception. *Speech Communication* **46**:53-72.

Warner, Natasha, Jongman, Allard, Sereno, Joan, and Kemps, Rachèl. 2004. Incomplete neutralization and other sub-phonemic durational differences in production and perception: Evidence from Dutch. *Journal of Phonetics* **32**:251-276.

Smits, Roel, Warner, Natasha, McQueen, James, and Cutler, Anne. 2003. Unfolding of phonetic information over time: A database of Dutch diphone perception. *Journal of the Acoustical Society of America* **113**:563-574.

Warner, Natasha. 2002. The phonology of epenthetic stops: Implications for the phonetics-phonology interface in Optimality Theory. *Linguistics* **40**:1-27.

Warner, Natasha, Jongman, Allard, Cutler, Anne, and Mücke, Doris. 2001. The phonological status of Dutch epenthetic schwa. *Phonology* **18**:387-420.

Warner, Natasha, and Arai, Takayuki. 2001. The role of the mora in the timing of spontaneous Japanese speech. *Journal of the Acoustical Society of America* **109**:1144-1156.

Warner, Natasha, and Arai, Takayuki. 2001. Japanese mora-timing: A review. *Phonetica* **58**:1-25.

Warner, Natasha, and Weber, Andrea. 2001. Perception of epenthetic stops. *Journal of Phonetics* **29**:53-87.

Warner, Natasha. 1997. Japanese Final-accented and Unaccented Phrases. *Journal of Phonetics* **25**:43-60.

Edited publications

Ernestus, Mirjam, and Warner, Natasha, guest eds. 2011. Special issue of *Journal of Phonetics* on speech reduction. **39(3)**.

Gussenhoven, Carlos, and Warner, Natasha, eds. 2002. *Laboratory Phonology 7*. Mouton de Gruyter. (719 pages.)

Van Geenhoven, Veerle, and Warner, Natasha, eds. 1999. *Max Planck Institute for Psycholinguistics Annual Report 1999*. (156 pages.)

Warner, Natasha, Ahlers, Jocelyn, Bilmes, Leela, Oliver, Monica, Wertheim, Suzanne, and Chen, Melinda, eds. 1998. *Gender and Belief Systems. The Proceedings of the Fourth Berkeley Women and Language Conference, April 19-21, 1996, Berkeley, California*. (814 pages.)

Book Review

Warner, Natasha. 2005. Review of *Phonetic Data Analysis: An Introduction to Fieldwork and Instrumental Techniques*, by Peter Ladefoged. *Language in Society* **34**:652-655.

Book chapters, handbook chapters, conference proceedings, and other categories

Warner, Natasha, Geary, Quirina, and Butler, Lynnika. In press. Creating learning materials and teaching materials for language revitalization: The case of Mutsun. Invited chapter under review for *Community Based Research*, ed. by Shannon Bischoff and Carmen Jany, Mouton de Gruyter.

Warner, Natasha. Submitted. A Relationship between the Feminism and the Science of Elise Richter: Rejection of Limitations. Submitted for a book ed. by R. Tanzmeister.

Warner, Natasha. 2012. Methods for studying spontaneous speech. Invited chapter in A. Cohn, C. Fougeron, & M. Huffman (eds.), *The Oxford Handbook of Laboratory Phonology*. Oxford: Oxford University Press. 621-633.

Ernestus, Mirjam, and Warner, Natasha. 2011. An introduction to reduced pronunciation variants. Guest editors' introduction to the special issue of *Journal of Phonetics* on speech reduction. **39(3)**:253-260.

Warner, Natasha. 2011. Reduction. Invited chapter in M. van Oostendorp, C. Ewen, E. Hume, & K. Rice (eds.), *The Blackwell Companion to Phonology*. Malden, MA & Oxford: Wiley-Blackwell.

Warner, Natasha, Cole, Jennifer, Hualde, José I., Kingston, John, Arvaniti, Amalia, Beckman, Mary, Pierrehumbert, Janet, and Whalen, Douglas H. 2010. Understanding the complexity and variability of spoken and signed languages. *SBE Grand Challenge White Paper*, National Science Foundation. Part of the program "*SBE 2020: Future Research in the Social, Behavioral, and Economic Sciences*." http://www.nsf.gov/sbe/sbe_2020/search.cfm

Tucker, Benjamin V., and Warner, Natasha. 2007. Inhibition of processing due to reduction of the American English flap. *Proceedings of the 16th International Congress of Phonetic Sciences, Saarbrücken, August 2007*.

Warner, Natasha. 2003. Rapid perceptibility as a factor underlying universals of vowel inventories. In *Formal approaches to function in grammar: In honor of Eloise Jelinek*, ed. by Andrew Carnie, Heidi Harley and MaryAnn Willie. Amsterdam: John Benjamins. 245-261.

Warner, Natasha, Jongman, Allard, and Mücke, Doris. 2002. Variability in direction of dorsal movement during production of /l/. *Proceedings of the International Conference on Spoken Language Processing, Denver, Colorado, September 2002*, 1089-1092.

Warner, Natasha, and Weber, Andrea. 2002. Perception of stop epenthesis at syllable boundaries. *Proceedings of the International Conference on Spoken Language Processing, Denver, Colorado, September 2002*, 1121-1124.

Arai, Takayuki, Warner, Natasha, and Greenberg, Steven. 2001. OGI tagengo denwa onsei koopasu ni okeru nihongo shizen hatsuwa onsei no bunseki. [Analysis of spontaneous Japanese in OGI multi-language telephone-speech corpus.] *Proceedings of the Acoustical Society of Japan, March 2001* 1.

Warner, Natasha, Jongman, Allard, Cutler, Anne, and Mücke, Doris. 2001. The phonological status of schwa insertion in Dutch: An EMA study. *Proceedings of the 4th International Speech Motor Conference, Nijmegen, June 13-16, 2001*, 86-89.

Warner, Natasha. 1999. Timing of perception of vocalic distinctive features: Implications for vowel system universals. *Proceedings of the 14th International Congress of Phonetic Sciences, San Francisco, August 1999*. 1961-1964.

Warner, Natasha, and Arai, Takayuki. 1999. Word level timing in spontaneous Japanese speech. *Proceedings of the 14th International Congress of Phonetic Sciences, San Francisco, August 1999*. 1055-1058.

Warner, Natasha. 1998. Integrating Speech Perception and Formal Phonology. *Texas Linguistics Forum 41: Proceedings of the 1998 Conference of the Texas Linguistics Society*, ed. by Amanda R. Doran, Tivoli Majors, Claude E. Mauk, and Nisha Merchant Goss. Austin: Department of Linguistics, University of Texas at Austin. 189-202.

Warner, Natasha. 1998. The Old Japanese Vowel System: Implications of Speech Perception. *Japanese Korean Linguistics, vol. 8*, ed. by David J. Silva. Stanford: CSLI Publications. 387-400.

Warner, Natasha. 1997. Recognition of Accent Patterns Across Dialects in Japanese. *Proceedings of the Twenty-third Annual Meeting of the Berkeley Linguistics Society, February 14-17, 1997, Berkeley, California*.

Warner, Natasha. 1996. Sound Change and Grammaticalization in Japanese Verb Morphology. *Proceedings of the Twenty-second Annual Meeting of the Berkeley Linguistics Society, February 16-19, 1996, Berkeley, California*. 429-439.

Warner, Natasha. 1996. Acoustic Characteristics of Ejectives in Ingush. *Proceedings of the International Conference on Spoken Language Processing, October 3-6, 1996, Philadelphia, Pennsylvania*. 1525-1528.

Grants and Contracts

"Speech Reduction across Languages and Dialects: Supplement." National Science Foundation. Natasha Warner, PI, Miquel Simonet, Co-PI. \$44,480. 9/2010-2/2014.

"Experimental and Descriptive Investigation of Gaidhlig Consonant Mutations." National Science Foundation. Andrew Carnie, PI, Natasha Warner, Michael Hammond, Diana Archangeli, Adam Ussishkin, and Muriel Fisher, Co-PIs. \$300,170. 4/2012-3/2014.

"Perception of English Speech Sounds: A Diphone-based Investigation." Contract from the Max Planck Institute for Psycholinguistics, Nijmegen, the Netherlands, funded by the Max Planck Society, Munich, Germany. Natasha Warner, PI. \$44,382. 5/2011-12/2012.

"Speech Reduction across Languages and Dialects." National Science Foundation. Natasha Warner, PI, Miquel Simonet, Co-PI. \$227,001. 9/2010-2/2014.

"Instrumental and Experimental Analysis of Scottish Gaelic (Gaidhlig; gla) Sound Structures." National Science Foundation. Andrew Carnie, PI, Natasha Warner, Michael Hammond, Diana Archangeli, and Muriel Fisher, Co-PIs. \$263,440. 7/2009-6/2011.

"Increasing Student Access to Speech Technology Industry Opportunities." Magellan Circle, University of Arizona College of Social and Behavioral Sciences. \$498. 12/2009.

"A Database of Mutsun, an Extinct California American Indian Language." National Endowment for Humanities. Natasha Warner, P.I. Total award from NEH (including indirect costs): \$168,261. Total direct costs, including cost-share: \$174,103. Indirect costs, including cost share: \$78,211. 7/2005-6/2007.

"Spoken Word Processing in the Navajo Language." Social and Behavioral Sciences Research Institute Small Grant, University of Arizona. Natasha Warner and Mary Willie, co-P.I.s. Total direct costs: \$1500. 12/2003-7/2004.

"Spoken Word Processing in the Navajo Language." Social and Behavioral Sciences Research Institute Professorship Alternative Program, University of Arizona. Natasha Warner and Mary Willie, co-P.I.s. Total direct costs: .25 FTE Research Assistant. 8/2004-12/2004.

"A Language Revitalization Project for the Mutsun Language." Woodrow Wilson Public Scholarship Grant. Natasha Warner, university P.I., and Quirina Luna-Costillas, community investigator. Total direct costs: \$10,000. 8/2003-5/2004.

"Pitch rises as a cue for speech segmentation." VPR Faculty Small Grant, University of Arizona. Natasha Warner, P.I. Total costs: \$5,000. 12/2001-12/2002.

Presentations

2016 "Native and non-native speakers' perception of spontaneous conversation." Invited talk, Second Language Acquisition and Teaching Program Proseminar, University of Arizona, October 2016.

"Perception across languages and phonetic environments: Effects of stress and cue spreading in speech perception." Invited talk, Speech, Language, and Hearing Science department colloquium, University of Arizona, March 2016.

2015 "Nasalization and frication in Gaelic." With Dan Brenner, Jessamyn Schertz, Andrew Carnie, Muriel Fisher, and Michael Hammond. First Language Acquisition and Phonology meeting. Invited informal talk, Radboud University, Nijmegen, the Netherlands, February 2015.

"Mutsun language revitalization." With Lynnika Butler and Quirina Geary. Nijmegen Grammar Group. Invited informal talk, Max Planck Institute for Psycholinguistics, Nijmegen, the Netherlands, February 2015.

2014 "The aerodynamic puzzle of Scottish Gaelic nasalized fricatives." Dag van de Fonetiek meeting, Utrecht, the Netherlands, December 2014.

"Native and non-native listeners' use of information in parsing ambiguous casual speech: 'He was like' or 'He's like'?" Invited talk, Heinrich Heine University, Düsseldorf, Germany, December 2014.

"Native and non-native listeners' use of information in parsing ambiguous casual speech: 'He was like' or 'He's like'?" Invited talk, Sophia University, Tokyo, Japan, July 2014.

"Discussion of 'Labeling in the Wild: Crowdsourcing versus Categorical Perception' by Mark Hasegawa-Johnson, et al." Invited discussion at Laboratory Phonology 14, Tokyo, Japan, July 2014.

"Effects of listener characteristics on foreign-accentedness rating of a non-standard English dialect." With Andrea Morales (first author). Poster presentation at the Acoustical Society of America meeting, Providence, RI, May 2014.

"Spontaneous speech variability across languages: Labial and velar stops." With Miquel Simonet, Benjamin V. Tucker, Dan Brenner, Maureen Hoffmann, Alejandra Baltazar, Andrea Morales, and Yamile Diaz. Poster presentation at the Acoustical Society of America meeting, Providence, RI, May 2014.

- "The effect of Gaelic initial consonant mutation on spoken word recognition."* With Ian Clayton, Andrew Carnie, Dan Brenner, Muriel Fisher, and Michael Hammond. Poster presentation at the meeting of the Linguistic Society of America, Minneapolis, MN, January 2013.
- 2013 *"Perception of all English sound sequences: Stress."* Oral talk at the University of Arizona-Arizona State University Cognitive Science Conclave, Tucson, AZ, December 2013.
- "Range of variability in native and non-native spontaneous speech intervocalic stops."* With Miguel Simonet, Dan Brenner, Maureen Hoffmann, Andrea Morales, and Alejandra Baltazar Molina. Poster presentation at the University of Arizona-Arizona State University Cognitive Science Conclave, Tucson, AZ, December 2013.
- "Range of variability in native and non-native spontaneous speech intervocalic stops."* With Miguel Simonet, Dan Brenner, Maureen Hoffmann, Andrea Morales, and Alejandra Baltazar Molina. Poster presentation at the Acoustical Society of America meeting, San Francisco, CA, November 2013.
- "Perception of Scottish Gaelic alternating (leniting) consonants."* With Ian Clayton, Andrew Carnie, Muriel Fisher, Dan Brenner, Michael Hammond, Diana Archangeli, and Adam Ussishkin. Poster presentation at the Acoustical Society of America meeting, San Francisco, CA, November 2013.
- "Perception of stressed vs. unstressed vowels: Language-specific and general patterns."* With Priscilla Shin, Maureen Hoffmann, James McQueen, and Anne Cutler. Oral talk at the Acoustical Society of America meeting, San Francisco, CA, November 2013.
- "Beyond Giving Back to the Community: Some Possible Balances between Publishable Research and Service."* Keynote address for the University of Arizona Research with Native Communities Symposium, Tucson, April 2013.
- "The Mutsun Language: Pedagogical Problems of Dormant Language Revitalization, and Variety of Pedagogical Approaches."* With Lynnika Butler and Quirina Luna. Invited colloquium, Second Language Acquisition and Teaching Program, University of Arizona, January 2013.
- "Perceptual Cues across Phonetic Contexts: Insights from a Database of Diphone Perception."* With Priscilla Liu, Maureen Hoffman, James McQueen, and Anne Cutler. Meeting of the Linguistic Society of America, Boston, January 2013.
- 2012 *"Reviving a Dormant Language: The Mutsun of California."* With Lynnika Butler, Heather van Volkinburg, and Quirina Luna. Outreach talk given at the Osher Lifelong Learning Institute, Tucson, Arizona, November 2012.

"*Revitalizing the Mutsun Language: An Unusual Situation for Sociolinguistics, L2 Teaching, and Language Change.*" With Lynnika Butler, Heather van Volkinburg, and Quirina Luna. Informal talk, University of Alberta, Edmonton, Canada, November 2012.

"*Native and non-native listeners' use of information in parsing ambiguous casual speech: 'He was like' or 'He's like'?*" Invited colloquium, Department of Linguistics, University of Alberta, Edmonton, Canada, November 2012.

"*Processing reduced speech across languages and dialects.*" With Dan Brenner, Benjamin V. Tucker, Jae-Hyun Sung, Mirjam Ernestus, Miquel Simonet, and Ana Gonzalez. Poster presentation at the Acoustical Society of America meeting, Kansas City, MO, October 2012.

"*Timing of perception for all English diphones.*" With James M. McQueen, Priscilla Liu, Maureen Hoffmann, Anne Cutler. Poster presentation at the Acoustical Society of America meeting, Kansas City, MO, October 2012.

"*Native and non-native listeners' use of information in parsing ambiguous casual speech: 'He was like' or 'He's like'?*" Invited colloquium, Cognitive Science Program brown-bag colloquium series, University of Arizona, October 2012.

"*Nasal fricatives vs. approximants in Scottish Gaelic.*" With Dan Brenner and Andrew Carnie. 7th Celtic Linguistics Conference, Rennes, France, June 2012.

"*Timing of perceptual cues in Scottish Gaelic sound distinctions.*" With Jessamyn Schertz, Andrew Carnie, Muriel Fisher, Michael Hammond, Diana Archangeli, Lionel Mathieu, and Colin Gorrie. Poster presentation at the 7th Celtic Linguistics Conference, Rennes, France, June 2012.

"*Sharing of Data as it relates to Human Subjects Issues and Data Management Plans.*" Invited talk at the workshop "Coding for Sociolinguistic Archive Preparation," satellite workshop of the Linguistic Society of America Meeting, Portland, OR, January 2012.

2011 "*Timing of perceptual cues in Scots Gaelic.*" With Andrew Carnie, Muriel Fisher, Jessamyn Schertz, Lionel Mathieu, Colin Gorrie, Michael Hammond, and Diana Archangeli. Poster presentation at the Acoustical Society of America meeting, San Diego, CA, November 2011.

"*Can you say [ṽ] or [x̃]? Aerodynamics of Nasalized Fricatives in Scots Gaelic.*" With Dan Brenner (first author), Andréa Davis, Andrew Carnie, Muriel Fisher, Jessamyn Schertz, Michael Hammond, and Diana Archangeli. Poster presentation at the Acoustical Society of America meeting, San Diego, CA, November 2011.

"*Types of Information in Ambiguous Casual Speech: 'He was like' or 'He's like'?*" Invited talk at the 5th Arizona Linguistics Circle conference, Tucson, AZ, October 2011.

"*Nasalization and frication in Scottish Gaelic.*" With Andrew Carnie, Dan Brenner, Micaya Clymer, Lionel Mathieu, Jae-Hyun Sung, Jessamyn Schertz, Diana Archangeli, Michael Hammond, Muriel Fisher, and Colin Gorrie. Submitted talk at the 14th International Congress of Celtic Studies, Maynooth, Ireland, August 2011.

"*Parsing the ambiguity of casual speech: 'He was like' or 'He's like'?*" With Dan Brenner (first author), Mirjam Ernestus, and Benjamin V. Tucker. Poster presentation at the Acoustical Society of America meeting, Seattle, WA, May 2011.

"*Perceiving Speech that's (Sometimes) Hardly there: How Listeners Parse Reduced, Spontaneous Speech.*" Department of Linguistics Colloquium, Northwestern University. Evanston, IL, February 2011.

"*Perceiving Speech that's Hardly there: Reduction in Spontaneous Speech.*" Speech, Hearing, and Language Science Department Colloquium, University of Arizona. January 2011.

"*Reduced Speech and Perception.*" Invited talk, Auditory Cognitive Neuroscience Society meeting, Tucson, AZ, January 2011.

2010 "*Integration of Bottom-up and High-level Cues in Parsing Spontaneous Conversational Speech.*" With Dan Brenner (first author), Mirjam Ernestus, and Benjamin V. Tucker. Poster presentation at the joint Arizona State University – University of Arizona Neuroscience meeting. November, 2010.

"*Probably, OK, Whatever!': Variability in Conversational Speech Stops and Flaps.*" With Benjamin V. Tucker. Poster presentation at the Acoustical Society of America meeting, Baltimore, MD, April 2010.

"*Perception of an Allophonic Distinction from Conversational Speech.*" With Anna Woods (first author). Poster presentation at the Acoustical Society of America meeting, Baltimore, MD, April 2010.

2009 "*Real-life Speech Processing: Combining Big Picture and Detail.*" Invited talk, Cognitive Science Brownbag lecture series, University of Arizona Cognitive Science Program, September 2009.

"*Reduced Speech: Seeing Both the Big Picture and the Detail.*" Invited talk, meeting of the Dutch Association for Phonetic Sciences, "Speech Production and Perception in the Brain," Leiden University, June 2009.

"*Were we or are we? Perception of Reduced Function Words in Spontaneous Conversations.*" With Dan Brenner, Anna Woods, Benjamin V. Tucker, and Mirjam Ernestus. Poster presentation at the Acoustical Society of America meeting, Portland, OR, May 2009.

"*And he was like...!': Production and Perception of Reduced Conversational Speech.*" Informal talk, University of Massachusetts Department of Linguistics, May 2009.

"*Revitalizing the Mutsun Language.*" Invited talk for the University of Arizona Financial Administrator Series. April 2009.

"*Revitalizing the Mutsun Language: An Unusual Situation for Sociolinguistics, L2 Teaching, and Language Change.*" With Lynnika Butler, Heather van Volkinburg, and Quirina Luna. Invited talk, Arizona Senior Academy, Academy Village, Tucson, Arizona, January 2009.

2008 "*A fascinating personage in the history of phonetics: The phonetics and politics of Elise Richter.*" Poster presentation at the Acoustical Society of America meeting, Paris, June 2008.

"*Perception of reduced speech: Approximated stops.*" With Benjamin V. Tucker and Amy Fountain. Poster presentation at the Acoustical Society of America meeting, Paris, June 2008.

"*Revitalizing Mutsun: The database and the community, or how to get out of the data graveyard.*" With Lynnika Butler, Heather van Volkingburg, and Quirina Luna. Informal talk, Max Planck Institute for Psycholinguistics, Language and Cognition Group, June 2008.

"*Production (or non-production) of American English intervocalic stops.*" With Benjamin V. Tucker. First Nijmegen Workshop on Speech Reduction, Max Planck Institute for Psycholinguistics, June, 2008.

"*Fourth formant drop as a correlate of American English Flaps.*" With Benjamin V. Tucker. Poster presentation, annual meeting of the Linguistic Society of America, January, 2008.

"*An unusual result of prosodic domain boundary effects: Romanian devoiced nasals.*" With Benjamin V. Tucker (first author). Poster presentation, annual meeting of the Linguistic Society of America, January, 2008.

2007 "*I was jus' like, all, whatever!": Variability of Stops in Conversational vs. Laboratory Speech of American Undergraduates.* With Benjamin V. Tucker. Invited colloquium, Institute for Phonetics, University of Cologne, November 2007.

Revitalizing the Mutsun Language: An Unusual Situation for Sociolinguistics, L2 Teaching, and Language Change. With Lynnika Butler, Heather van Volkinburg, and Quirina Luna. Invited talk, Sheffield University, Sheffield, England, October 2007.

"I was jus' like, all, whatever!": Variability of Stops in Conversational vs. Laboratory Speech of American Undergraduates. With Ben Tucker. Invited colloquium, Sheffield University, Sheffield, England, October 2007.

Production and Processing of Variability in Intervocalic Stops: How do we Understand [ã̃õ] as "I don't know"? With Benjamin V. Tucker. 4th Annual Meeting of Phonetics and Phonology in Germany, Nijmegen, October 2007.

Inhibition of processing due to reduction of the American English flap. With Benjamin V. Tucker (first author). Poster presentation at the 16th International Congress of Phonetic Sciences, Saarbrücken, August 2007.

Fourth formant dip as a correlate of American English flaps. With Mary Dungan (first author), Karen Morian, and Benjamin V. Tucker. Poster presentation at the Acoustical Society of American meeting, Salt Lake City, June 2007.

Language revitalization is language creation. With Heather van Volkinburg (first author), Lynnika Butler, and Quirina Luna-Costillas. Third Conference on Endangered Languages and Cultures of Native America (CELCNA), Salt Lake City, Utah, April 2007.

Use of Harrington data in language revitalization and linguistic research: The Mutsun language. With Lynnika Butler, Heather van Volkinburg, and Quirina Luna-Costillas. Invited colloquium at the University of Victoria, British Columbia, Canada, March 2007.

Variability in Intervocalic Stops: Production and Processing. With Benjamin Tucker. Invited colloquium at the University of Victoria, British Columbia, Canada, March 2007.

Use of Harrington data in language revitalization and linguistic research: The Mutsun language. With Lynnika Butler, Heather van Volkinburg, and Quirina Luna-Costillas. Society for the Study of the Indigenous Languages of the Americas Annual Meeting (SSILA), Anaheim, California, January 2007.

Metathesis in Mutsun morphophonology: Newly discovered data. With Lynnika Butler (first author), Heather van Volkinburg, and Quirina Luna-Costillas. Society for the Study of the Indigenous Languages of the Americas Annual Meeting (SSILA), Anaheim, California, January 2007.

Categorical and Gradient Variability in Intervocalic Stops. With Benjamin Tucker. Linguistic Society of America Annual Meeting, Anaheim, California, January 2007.

2006 *Japanese mora-timing and processing: The case of devoiced vowels.* With Naomi Ogasawara. Talk in the invited panel "Speech Timing and Pronunciation Training for the Japanese Language." Joint meeting of the Acoustical Society of America and the Acoustical Society of Japan, Honolulu, Hawaii, November 2006.

New Evidence for Mutsun Verbal Infixation. With Lynnika Butler, Heather van Volkinburg, and Quirina Luna-Costillas (Butler is first author). High Desert Linguistic Society, New Mexico, November 2006.

"I was jus' like, all, whatever!": Stops in conversational vs. laboratory speech of American undergraduates. With Ben Tucker. Invited talk, Max Planck Institute of Psycholinguistics, Nijmegen, the Netherlands, June 2006.

Mutsun language revitalization: An unusual L2 teaching situation. With Lynnika Butler, Heather van Volkinburg, Kendra Dyrsten, and Quirina Luna-Costillas. Invited colloquium, Second Language Acquisition and Teaching Program, University of Arizona, March, 2006.

Sources of variability in linguistic data: Methods for analyzing random factors. Part of the tutorial colloquium "Squeezing the juice out of linguistic data: Statistics in linguistics." Department of Linguistics colloquium, University of Arizona, March, 2006.

- 2005 *Flapping and reduction of stops: Speech style, phonological environment, and variability.* Poster presentation at the 150th meeting of the Acoustical Society of America, Minneapolis, Minnesota, October 2005.

Mutsun language revitalization: A status report. With Lynnika Butler and Quirina Luna-Costillas. Part of the panel "Yokuts and Utian Languages." Society for the Study of the Indigenous Languages of the Americas Annual Meeting (SSILA), Oakland, California, January 2005.

- 2004 *Use of complex phonological patterns in processing: Evidence from Korean.* Invited talk at the conference "Methods in Phonology: Conference in Honor of John J. Ohala," May 2004.

Intonation as a speech segmentation cue in Japanese: Effects of style. With Lynnika Butler and Takayuki Arai. Poster presentation at the Ninth Conference on Laboratory Phonology (LabPhon 9), Champaign-Urbana, Illinois, June 2004.

- 2003 *Use of complex phonological patterns in processing: Evidence from Korean.* Department of Linguistics colloquium, University of Arizona, September 2003.

Intonational cues to word boundaries in Japanese. Cognitive Science Brown Bag talk, University of Arizona, November 2003.

Orthography and underlying form in incomplete neutralization. With Erin Good, Allard Jongman, and Joan Sereno. Poster presentation at the Acoustical Society of America meeting, Austin, Texas, November 2003.

- 2002 *Variability in direction of dorsal movement during production of //l//*. With Allard Jongman and Doris Mücke. Poster presentation at the International Conference on Spoken Language Processing, Denver, Colorado, September 2002.
- Perception of stop epenthesis at syllable boundaries*. With Andrea Weber. Poster presentation at the International Conference on Spoken Language Processing, Denver, Colorado, September 2002.
- Phonological constraints and segmentation of spoken Korean*. With Jeesun Kim, Chris Davis, and Anne Cutler. Poster presentation at the Eighth Conference on Laboratory Phonology (LabPhon8), New Haven, Connecticut, June, 2002.
- Sub-phonemic durational differences: Production and perception*. Phonology Lab colloquium, Department of Linguistics, University of California, Berkeley, June 2002. (Invited colloquium.)
- Understanding grammar*. Breath of Life (Native California Language Revitalization) Workshop, Berkeley, California, June 2002. (Invited talk.)
- 2001 *The phonological status of schwa insertion in Dutch: An EMA study*. With Allard Jongman, Anne Cutler, and Doris Mücke. Poster presentation at the Fourth International Speech Motor Conference, Nijmegen, the Netherlands, June 2001.
- Accentual Phrase Rises as a Cue to Word Boundaries*. With Takayuki Arai. Annual Meeting of the Linguistic Society of America, Washington, D.C., January 2001.
- 2000 *Fast and slow acoustic changes and their usefulness in auditory processing*. The Nature of Speech Perception: The Psychophysics of Speech Perception III, Utrecht, the Netherlands, July 2000.
- The phonological status of Dutch epenthetic schwa: A challenge to Articulatory Phonology*. With Allard Jongman, Anne Cutler, and Doris Mücke. Poster presentation at the Seventh Conference in Laboratory Phonology, Nijmegen, the Netherlands, June 2000.
- Wat at Ad op het Wad? Dutch final devoicing*. Luncheon colloquium, Max Planck Institute for Psycholinguistics, Nijmegen, the Netherlands, May 2000.
- Word-level timing in spontaneous Japanese speech*. Invited colloquium, Linguistics Department, University of Minnesota, Minneapolis, Minnesota, April 2000.
- The phonological nature of Dutch schwa epenthesis: Articulatory data*. Talk given at the Department of Linguistics, UCLA, Los Angeles, California, February 2000.
- The phonological nature of Dutch schwa epenthesis: Articulatory data*. Talk given at the Department of Linguistics, University of Arizona, Tucson, Arizona, January 2000.

1999 *The phonological nature of Dutch schwa epenthesis: Articulatory data.* Max Planck Institute Staff Meeting talk, October 1999. With Allard Jongman, Anne Cutler, and Doris Mücke.

Timing of perception of vocalic distinctive features: Implications for vowel system universals. International Congress of Phonetic Sciences, San Francisco, California, August 1999.

Word level timing in spontaneous Japanese speech. With Takayuki Arai. International Congress of Phonetic Sciences, San Francisco, California, August 1999.

Perceptual consequences of unintended epenthetic stops. With Andrea Weber. Poster presentation at the 137th meeting of the Acoustical Society of America (joint meeting with the second convention of the EAA), Berlin, Germany, March 1999.

The relationship between syllable structure and speech perception. Fourth Holland Institute of Linguistics Phonology Conference, Leiden, the Netherlands, January 1999.

Syllable structure and speech perception are inter-related. Annual meeting of the Linguistic Society of America, Los Angeles, California, January 1999.

1998 *Perception of distinctive features of vowels: Implications for universals of vowel inventories.* Luncheon colloquium, Max Planck Institute for Psycholinguistics, Nijmegen, the Netherlands, November 1998.

The role of dynamic cues in speech perception, spoken word recognition, and phonological universals. Talk given at the Max Planck Institute for Psycholinguistics, Nijmegen, the Netherlands, April 1998.

The perception of distinctive features: A gating experiment. The Fourth Annual Minisymposium on Phonetics and Phonology: Inner Structure of Distinctive Features, Berkeley, California, April 1998.

The role of dynamic cues in speech perception, spoken word recognition, and phonological universals. Phonology laboratory colloquium, Berkeley, California, April 1998.

Integrating speech perception and formal phonology. 1998 Conference of the Texas Linguistic Society, Austin, Texas, March 1998.

Grammar vs. lexical items in language revival. Part of the colloquium "Language Revitalization: Academic and Community Perspectives," American Association for Applied Linguistics 1998 Annual Conference, Seattle, Washington, March 1998.

The role of dynamic cues in speech perception, spoken word recognition, and phonological universals. Invited colloquium, Department of Linguistics, University of Washington, Seattle, Washington, March 1998.

The role of dynamic cues in speech perception, spoken word recognition, and phonological universals. Talk given at the Department of Psychology, University of Indiana, Bloomington, Indiana, March 1998.

The role of dynamic cues in speech perception, spoken word recognition, and phonological universals. Talk given at the Department of Linguistics, Northwestern University, Evanston, Illinois, February 1998.

Spectral transition in the perception of English segments. Annual Meeting of the Linguistic Society of America, New York, New York, January 1998.

Spectral transition in the perception of English segments. Talk given at NTT Basic Research Labs, Atsugi, Japan, January, 1998.

1997 *Spectral transition in the perception of English segments and lexical access.* Poster presentation at the 134th meeting of the Acoustical Society of America, San Diego, California, December 1997.

Grammar vs. lexical items in language revival: The case of Mutsun. Society of Linguistics Undergraduates colloquium, Berkeley, California, October 1997.

The Old Japanese vowel system: Implications of speech perception. Japanese Korean Linguistics Conference, Ithaca, New York, July 1997.

The Old Japanese vowel system: Implications of speech perception. The Third Annual Minisymposium on Phonetics and Phonology: Vowels as victims and perpetrators of phonetic variation, Berkeley, California, April 1997.

Recognition of accent patterns across dialects in Japanese. Twenty-third annual meeting of the Berkeley Linguistics Society, Berkeley, California, February 1997.

1996 *Acoustic characteristics of ejectives in Ingush.* International Conference on Spoken Language Processing, Philadelphia, Pennsylvania, October 1996.

Nihongo akusento no odakagata to heibangata [Final Accented Type and Unaccented Type in Japanese]. Presentation given at ATR (Advanced Telecommunications Research Institute), Kyoto, Japan, July 1996.

Japanese final-accented and unaccented phrases. Phonology laboratory colloquium, Berkeley, California, May 1996.

Elise Richter's views on phonetics in historical linguistics. The Second Annual Minisymposium on Phonetics and Phonology: Phonetics and Historical Linguistics, Berkeley, California, April 1996.

Sound change and grammaticalization in Japanese verb morphology. Twenty-second annual meeting of the Berkeley Linguistics Society, Berkeley, California, February 1996.

Acoustic characteristics of ejectives in Ingush. Part of the organized session "A Field Methods Course on Ingush," Annual Meeting of the Linguistic Society of America, San Diego, California, January 1996.

Teaching and Supervision Experience

Supervision at University of Arizona:

Dissertation chair:

William Cotter, Ph.D. expected 2019.

Maureen Hoffman, Ph.D. expected 2018.

Patrick Thomas, Ph.D. expected 2017.

Yan Chen, Ph.D. expected 2017.

Priscilla Liu, Ph.D. expected 2017.

Keisha Josephs, Ph.D. expected 2017.

Dan Brenner, Ph.D. 2015. Dissertation: *The phonetics of Mandarin tones in conversation.*

Currently at University of Alberta, Edmonton, Canada.

Jessamyn Schertz, Ph.D. 2014. Dissertation: *The structure and plasticity of phonetic categories across languages and modalities.* Currently at University of Toronto, Canada.

Lynnika Butler, Ph.D. 2013. Dissertation: *Prosodically driven metathesis in Mutsun.* Currently language program director for the Wiyot Tribe, California.

Miriam Diaz (Second Language Acquisition and Teaching, Ph.D. 2011, co-chair with Miquel Simonet). Dissertation: *L2 and L3 Acquisition of the Portuguese Stressed Vowel Inventory by Native Speakers of English.* Currently at Concordia University, Canada.

Natalya Samokhina (Second Language Acquisition and Teaching, Ph.D. 2010, co-chair with Diane Ohala). Dissertation: *Phonetics and Phonology of Regressive Voicing Assimilation in Russian Native and Non-Native Speech.* Currently at University of California Santa Cruz.

Keith Johnson, Second Language Acquisition and Teaching, Ph.D. 2008. Dissertation: *Second Language Acquisition of the Spanish Multiple Vibrant Consonant.* Currently at California State University, Fresno.

Erin Good, Ph.D. 2008 (co-chair with Diane Ohala). Dissertation: *The Processing and Acquisition of Two English Contours.*

Benjamin Tucker, Ph.D. 2007. Dissertation: *Spoken Word Recognition of the Reduced American English Flap.* Currently at University of Alberta, Canada.

Naomi Ogasawara, Ph.D. 2007. Dissertation: *Processing of Speech Variability: Vowel Reduction in Japanese.* Currently at University of Aizu, Japan.

Catherine Hicks-Kennard, Ph.D. 2006 (co-chair with Diana Archangeli). Dissertation: *Gender and Command: A Sociophonetic Analysis of Female and Male Drill Instructors in the United States Marine Corps*. Currently at Central Michigan University.

Rachel Hayes-Harb, Ph.D. 2003 (co-chair with Michael Hammond). Dissertation: *How are Second Language Phoneme Contrasts Learned?* Currently at University of Utah.

Sonya Bird, Ph.D. 2002 (co-chair with Michael Hammond). Dissertation: *The Phonetics and Phonology of Lheidli Intervocalic Consonants*. Currently at University of Victoria.

Member of dissertation committee:

Jessica Nelson (Anthropology, Ph.D. expected 2018)

Megan Willi (Speech, Language, and Hearing Science, Ph.D. expected 2017)

Denise Osborne (Second Language Acquisition and Teaching, Ph.D. 2016)

Joseph Casillas (Spanish, Ph.D. 2016)

Kathy Carbonell (Speech, Language, and Hearing Science, Ph.D. 2015)

Karen Barto-Sisamout (Second Language Acquisition and Teaching, Ph.D. 2015)

Hiromi Onishi (East Asian Studies, Ph.D. 2013)

Antonia Vitela (Speech, Hearing, and Language Science, Ph.D. 2012)

Amy LaCross (Linguistics, Ph.D. 2011)

Margaret Camp (East Asian Studies, Ph.D. 2009)

Alina Twist (Linguistics, Ph.D. 2006)

Ethan Cox (Psychology, Ph.D. 2005)

Constance Clarke (Psychology, Ph.D. 2003)

Senior honors thesis supervisor:

Andrea Morales (2013-14)

Darin Arrick (2011-12)

Anna Woods (2009-10)

Liberty Huskey (2009-10)

Steven Bethard (2001-02)

Supervision at Max Planck Institute/Radboud University of Nijmegen:

Secondary supervisor, Andrea Weber, Ph.D. 2001.

Dissertation reading committee member, Susanne Brouwer, Ph.D. 2010, Iris Hanique, Ph.D. 2013.

Service on Ph.D. Public Defense for Christophe van Bael (2007), Anita Wagner (2008), Wen-cui Zhou (2015).

Courses taught at University of Arizona:

Individuals and Societies 101: Language (General Education)

Linguistics 195a (Freshman seminar)

Honors 195H (Honors freshman seminar)

Linguistics 314 (Introduction to Phonetics)

Linguistics 320 (Language in Society)

Linguistics 515 (Phonological Phonetics)

Linguistics 507 (Statistical Analysis for Linguists)

Linguistics 421/521 (Language Revitalization)

Linguistics/Speech and Hearing Science 478/578 (Speech Technology)
 Anthropology/Linguistics 580 (Historical Linguistics)
 Linguistics 595 (Colloquium organizer)
 Linguistics 696b (Seminar in phonetics/phonology)
 Linguistics 689 (Professionalism)

Other teaching:

Japanese 5993, University of Minnesota (Minneapolis), as a visiting professor, April 2000.

Service

Community outreach:

1997-current: Linguist for the Mutsun language. This includes database development, analysis of all documentation of the Mutsun language, writing of a complete dictionary consisting of new analyses, textbook development, outreach to the community, co-organizing language workshops, and helping community leaders develop and maintain the language program.

1997-1998: Mentor for the Breath of Life (Native California Language Revitalization) Workshop, Berkeley, California. Worked with language community members to develop teaching materials for the extinct Mutsun and Rumsen languages from field notes. Compiled a basic Mutsun-English English-Mutsun dictionary.

Committee service (departmental, university, and national):

NSF Linguistics panel member (2007, 2010-2013)

Departmental Human Subjects Review committee (2002-2007, 2008-2014, 2015-2016)

Executive Committee member of SLAT (Graduate Interdisciplinary Program, 2006-2009)

Executive Committee member of the Cognitive Science Graduate Interdisciplinary Program, 2011-2014)

LSA Ethics Committee (Chair 2012, Member 2010-present)

Linguistics advisor of the joint Ph.D. program in Anthropology and Linguistics (2009-present)

SBSRI/CLASRI grant review committee (2009-10)

Promotion and tenure committee (Department of Linguistics): 2009, 2012

Promotion and tenure committee (Department of East Asian Studies, as committee chair): 2013

Editorial work:

Associate Editor, *Language*, 2013-2016

Reviewer for:

Language and Speech

Perception and Psychophysics

Speech Communication

Journal of Memory and Language

Language and Cognitive Processes

Phonology

Journal of Phonetics

Journal of the International Phonetic Association

International Review of Applied Linguistics
Laboratory Phonology (journal)
Quarterly Journal of Experimental Psychology
Canadian Journal of Linguistics
Journal of California and Great Basin Anthropology
International Journal of American Linguistics
Language and Linguistics Compass
 National Science Foundation
 Nederlandse Organisatie voor Wetenschappelijk Onderzoek (Dutch equivalent of NSF)
 Social Sciences and Humanities Research Council of Canada
 LSA annual meeting (conference abstract reviewer)
 Laboratory Phonology (conference abstract reviewer)
 Book manuscript reviews for Routledge, Wiley Press, Cambridge University Press, Oxford University Press

Conference and workshop organization:

December 2011: Co-organizer of the Second Nijmegen Speech Reduction Workshop, Nijmegen, the Netherlands, with Mirjam Ernestus.

June 2008: Co-organizer of the First Nijmegen Speech Reduction Workshop, Nijmegen, the Netherlands, with Mirjam Ernestus.

June 2000-2010: Co-organizer of LabPhon7, the Seventh Conference on Laboratory Phonology, Nijmegen, the Netherlands. Series co-editor for Laboratory Phonology volumes 7-10, with Carlos Gussenhoven. Member of committee for converting the publication to a journal and founding the LabPhon professional association.

April 1996: Co-organizer of the Fourth Berkeley Women and Language Conference, Berkeley, California.

Language abilities

Japanese, Dutch: speak, read, and write fluently.

German: read fluently, speak and write moderately.

Mutsun: read, speak and write competently.

Latin, Korean: limited knowledge.

Honors and awards

- 2012 College of Social and Behavioral Sciences Dean's Award for Excellence in Graduate Teaching.
- 2011 Earl Carroll Magellan Fellowship Award, College of Social and Behavioral Sciences, University of Arizona. (\$5000 research award.)
- 1998 Vice Chancellor's Research Fund grant received for dissertation work in Japan.

1996 Department of Linguistics Block Grant
1996 Outstanding Graduate Student Instructor Award
1994-98 Berkeley Fellowship for Graduate Study
1993-94 Mellon Fellowship in Humanistic Studies
1987-91 National Merit Scholarship

Professional and honors associations

Linguistic Society of America
Acoustical Society of America
International Phonetic Association
Association of Laboratory Phonology
Phi Kappa Phi
Phi Beta Kappa