

CURRICULUM VITAE

LISA DAVIDSON

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Department of Linguistics
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EDUCATION

- 1998-2003 Ph.D. in Cognitive Science, 2003
Johns Hopkins University, Baltimore, MD
Dissertation title: *The Atoms of Phonological Representation: Gestures, Coordination and Perceptual Features in Consonant Cluster Phonotactics*
- 1998-1999 M.A. in Cognitive Science
Johns Hopkins University, Baltimore, MD
- 1996 University of Barcelona, Spain (coursework in phonetics, morphology, and Catalan)
- 1993-1997 B.A. with Honors in Linguistics and Hispanic Studies
Brown University, Providence, RI

GRANTS, FELLOWSHIPS, AND AWARDS

- 2005-2010 CAREER Grant BCS-0449560, National Science Foundation: "Phonotactics and articulatory coordination in foreign language acquisition and loan phonology", \$400,098
- 1997-1998 Fulbright pre-doctoral grant in psycholinguistics at the University of Barcelona, Spain (with Dr. Núria Sebastián-Gallés)

PUBLICATIONS

Submitted

Davidson, Lisa. Submitted. Input considerations in cross-language speech perception: the role of realistic stimuli and language background.

Peer Reviewed

Davidson, Lisa and Kevin Roan. to appear. Acoustic cues for differentiating consonant sequences in Russian. *Journal of the International Phonetic Association*.

Davidson, Lisa, Jason Shaw and Tuuli Adams. 2007. The effect of word learning on the perceptual discrimination of non-native phonotactics. *Journal of the Acoustical Society of America* 122:6, 3697-3709.

Davidson, Lisa. 2007. The relationship between acoustic detail and underlying representations in loanword adaptation. *Phonology* 24:2, 261-286.

Davidson, Lisa. 2006. Phonotactics and articulatory coordination interact in phonology: evidence from non-native production. *Cognitive Science* 30:5, 837-862.

Davidson, Lisa. 2006. Comparing tongue shapes from ultrasound imaging using smoothing spline analysis of variance. *Journal of the Acoustical Society of America* 120:1, 407-415.

Davidson, Lisa. 2006. Schwa elision in fast speech: segmental deletion or gestural overlap? *Phonetica* 63:79-112.

Davidson, Lisa. 2006. Phonology, phonetics, or frequency: Influences on the production of non-native sequences. *Journal of Phonetics* 34:1, 104-137.

Davidson, Lisa. 2005. Addressing phonological questions with ultrasound. *Clinical Linguistics and Phonetics*, 19:6/7, 619-633.

Davidson, Lisa, Paul Smolensky, and Peter Jusczyk. 2005. Optimality in Language Acquisition I: Phonology in Paul Smolensky and Géraldine Legendre, eds. *The Harmonic Mind: From neural computation to Optimality Theoretic grammars*. Cambridge: MIT Press.

Davidson, Lisa, Paul Smolensky and Peter Jusczyk. 2004. The initial and final states: Theoretical implications and experimental explorations of Richness of the Base. In René Kager, Wim Zonneveld, Joseph Pater, eds. *Fixing Priorities: Constraints in Phonological Acquisition*. Cambridge: Cambridge University Press.

Davidson, Lisa and Géraldine Legendre. 2004. Defaults and competition in the acquisition of functional categories in Catalan and French. In Rafael Núñez-Cedeño, Luis López and Richard Cameron. *Language Knowledge and Use: A Romance Perspective*. Amsterdam/Philadelphia: John Benjamins.

Davidson, Lisa and Matthew Goldrick. 2003. Tense, agreement and defaults in child Catalan: An Optimality Theory analysis. In Silvina Montrul and Francisco Ordóñez, eds. *Linguistic Theory and Language Development in Hispanic Languages*. Cambridge, MA: Cascadilla Press.

Published Abstracts

Davidson, Lisa. 2007. Effects of word length and presentation order in the perception of non-native sequences. *Journal of the Society of America*. 122:5 (pt. 2), 2993.

Davidson, Lisa and Kevin Roon. 2006. Acoustic cues for distinguishing CC, CVC, and C#C sequences in Russian. *Journal of the Society of America*. 120:5 (pt. 2), 3248.

Davidson, Lisa. 2005. Smoothing spline analysis of variance for tongue curve comparison. *Journal of the Acoustical Society of America* 118:3 (pt. 2), 2023.

Davidson, Lisa and Paul De Decker. 2005. Stabilization techniques for ultrasound imaging of speech articulations. *Journal of the Acoustical Society of America* 117:4 (pt. 2), 2544.

Conference Proceedings

Davidson, Lisa. 2007. Coarticulation in contrastive Russian stop sequences. In *Proceedings of the 16th International Congress of Phonetic Sciences*. (Saarbrücken, Germany, August 5-10, 2007) CD-ROM.

Davidson, Lisa. 2007. The influence of non-phonetic factors on the form of L2 lexical entries. In *Proceedings of the 16th International Congress of Phonetic Sciences*. (Saarbrücken, Germany, August 5-10, 2007) CD-ROM.

Davidson, Lisa and Maureen Stone. 2004. Epenthesis versus gestural mistiming in consonant cluster production. In Gina Garding and Mimu Tsujimura, eds. *Proceedings of WCCFL22*. Somerville, MA: Cascadilla Press.

Davidson, Lisa. 2003. Articulatory and perceptual influences on the production of non-native consonant clusters. In M.J. Solé, D. Recasens, and J. Romero, eds., *Proceedings of the 15th International Congress of Phonetic Sciences*. (Barcelona, Spain, August 3-9, 2003) CD-ROM.

Davidson, Lisa. 2002. The effects of hidden rankings on the acquisition of consonant clusters. In Allan James and Jonathan Leather, eds. *New Sounds 2000: Proceedings of the Fourth International Symposium on the Acquisition of Second Language Speech*. Klagenfurt: University of Klagenfurt, pp. 87-96.

Legendre, Géraldine, Paul Hagstrom, Liang Tao, Joan Chen, and Lisa Davidson. 2001. A preliminary look at the acquisition of aspect in Mandarin Chinese in Optimality Theory. In L. Chen and Y. Zhou, eds. *Proceedings of the Third International Conference on Cognitive Science*. Beijing, China: Press of University of Science and Technology of China. pp. 398-405.

Davidson, Lisa. 2001. Hidden rankings in the final state of the English grammar. In Graham Horwood and Se-Kyung Kim, eds. *Ruling Papers II*. New Brunswick: Rutgers University, pp. 21-48.

Davidson, Lisa. 2000. Experimentally uncovering hidden strata in English phonology. In L. Gleitman and A. Joshi, eds., *Proceedings of the 22nd Annual Conference of the Cognitive Science Society*. Mahwah, NJ: Lawrence Erlbaum Associates.

Davidson, Lisa and Rolf Noyer. 1997. Loan phonology in Huave: Nativization and the ranking of faithfulness constraints. In B. Agbayani and S. Tang, *Proceedings of WCCFL15*. Palo Alto: CSLI Publications, pp. 65-80.

INVITED TALKS

Davidson, Lisa. 2008. Realistic input and the processing of phonetic detail: Moving beyond CV syllables. Talk presented at the Department of Speech-Language-Hearing Sciences, CUNY Graduate Center, February 13, 2008.

Davidson, Lisa. 2008. Incentive to focus: Word learning helps listeners distinguish native and non-native sequences. Talk presented at the LSA Annual Meeting, Symposium on Attention to Cues and Phonological Categorization, Chicago, IL, January 3-6, 2008.

Davidson, Lisa. 2007. Realistic input and the processing of phonetic detail: Moving beyond CV syllables. Talk presented at the 4th Hopkins Workshop on Language: Grammar in Cognition, Johns Hopkins University, October 13-14, 2007.

Davidson, Lisa. 2007. Using ultrasound to investigate the articulation of consonant sequences. Talk presented at the LSA Institute Workshop on New Techniques in Speech Research, Stanford University, July 14-15, 2007.

Davidson, Lisa. 2007. The influence of non-phonetic factors on the form of L2 lexical entries: Response to Cutler and Weber. Commentary presented at the 16th International Congress of Phonetic Sciences, Saarbrücken, Germany, August 5-10, 2007.

Davidson, Lisa. 2006. Acoustic detail vs. phonotactics in loanword adaptation. Talk presented at Yale University Department of Linguistics, October 9, 2006.

Davidson, Lisa. 2006. The elusive schwa in loanword adaptation. Talk presented at Northwestern University Department of Linguistics, May 19, 2006.

Davidson, Lisa. 2005. Using ultrasound for phonological research. Talk presented at New York University, Department of Speech-Language Pathology and Audiology April 20, 2005.

Davidson, Lisa. 2005. Articulatory, acoustic, and perceptual consequences of gestural mistiming. Talk presented at UMass Linguistics Colloquium, April 22, 2005.

Davidson, Lisa. 2004. The role of coordination in the production of non-native phonotactics. Talk presented at Stony Brook Linguistics Colloquium, December 10, 2004.

Davidson, Lisa. 2004. The role of coordination in the production of non-native phonotactics. Talk presented at MIT Speech Communication Group Colloquium, November 3, 2004.

Davidson, Lisa. 2004. Perceptual, articulatory, and temporal factors in consonant cluster production. Talk presented at CUNY Graduate Center Psycholinguistics Supper Club, February 24, 2004.

Davidson, Lisa. 2004. Temporal coordination and accuracy in the production of non-native sequences. Talk presented at New York University, Department of Speech-Language Pathology and Audiology, February 23, 2004.

Davidson, Lisa. 2003. Markedness and coordination in a gestural account of non-native consonant cluster production. Talk presented at New York University Linguistics Department, February 18, 2003.

Davidson, Lisa. 2003. Markedness and gestural coordination in the production of non-native sequences. Talk presented at the University of California, San Diego Linguistics Department, January 30, 2003.

Davidson, Lisa. 2003. The role of the grammar in non-native cluster production. Talk presented at the Markedness and the Lexicon IAP Workshop at MIT Linguistics Department, January 24-25, 2003.

Davidson, Lisa and Laura Benua. 2000. Identity in inflectional paradigms. Talk presented at New York University Linguistics Department.

CONFERENCE PRESENTATIONS

Davidson, Lisa. 2008. Task-related and cross-linguistic differences in the perception of non-native sequences. Talk presented at the LSA Annual Meeting, Chicago, IL, January 3-6, 2008.

Davidson, Lisa. 2007. Effects of word length and presentation order in the perception of non-native sequences. Poster presented at the ASA Meeting in New Orleans, November 27-December 1, 2007.

Davidson, Lisa, Harriet Klein and Maria Grigos. 2007. Perceptual, kinematic, and ultrasound measurement of /r/ development in children with phonological delay. Talk presented at Ultrafest IV, New York University, September 28-29, 2007.

Davidson, Lisa. 2007. Coarticulation in contrastive Russian stop sequences. Talk presented at the 16th International Congress of Phonetic Sciences, Saarbrücken, Germany, August 5-10, 2007.

Davidson, Lisa. 2007. Why /zɲafe/ is easier to say than /pkamo/. Poster presented at the LSA Institute Workshop on Variation, Gradience and Frequency in Phonology, Stanford University, July 6-8, 2007.

Davidson, Lisa and Kevin Roon. 2006. Acoustic cues for distinguishing CC, CVC, and C#C sequences in Russian. Poster presented at the Acoustical Society of America, Honolulu, Hawaii, November 28-December 2, 2006.

Davidson, Lisa. 2006. Interpreting phonetic detail in loanword adaptation: the case of schwa. Poster presented at the 10th Conference on Laboratory Phonology, Paris, France, June 29-July 1, 2006.

Davidson, Lisa. 2005. Smoothing spline analysis of variance for tongue curve comparison. Poster presented at the Acoustical Society of America, Minneapolis, MN. October 17-21, 2005.

Davidson, Lisa. 2005. Phonotactics and gestural coordination in phonological grammar. Talk presented at the Meeting of the Cognitive Science Society, Stresa, Italy, July 21-23, 2005.

Davidson, Lisa and Paul De Decker. 2005. Stabilization techniques for ultrasound imaging of speech articulations. Poster presented at the Acoustical Society of America, Vancouver, BC. May 16-20, 2005.

Davidson, Lisa. 2005. Syllabic position effects in articulation: Are word-medial and word-final codas equivalent? Talk presented at Ultrafest, University of Arizona, April 14-16, 2005.

Davidson, Lisa. 2005. Smoothing spline ANOVA for tongue curve comparison. Talk presented at Ultrafest, University of Arizona, April 14-16, 2005.

Davidson, Lisa. 2004. Epenthesis in L2 acquisition: Phoneme insertion or consonant coordination failure? Talk presented at the Boston University Conference on Language Development, November 5-7, 2004.

Davidson, Lisa. 2004. Fitting phonotactics into gestural phonology: Evidence from non-native cluster production. Poster presented at the Ninth Conference on Laboratory Phonology, University of Illinois, June 24-26.

Davidson, Lisa. 2004. Assessing tongue shape similarity: comparing L2 norms and area measures. Talk presented at Ultrafest, University of British Columbia Linguistics Department, April 22-23, 2004.

Davidson, Lisa. 2003. Articulatory and perceptual influences on the production of non-native obstruent clusters. Talk presented at the 15th International Congress of Phonetic Sciences (ICPhS), Barcelona, Spain, August 3-9, 2003.

Davidson, Lisa. 2003. Epenthesis versus gestural mistiming in consonant cluster production: An ultrasound study. Talk presented at the West Coast Conference on Formal Linguistics (WCCFL) XXII, San Diego, California, March 21-23, 2003.

Davidson, Lisa. 2003. The Role of Gestural Coordination in Zoque Palatal Coalescence. Talk presented at the 2003 Annual Meeting of the LSA, Atlanta, Georgia, January 2-5, 2003.

Davidson, Lisa. 2002. Tomato/Tmato, Potato/Ptato: Constraints on schwa deletion in English. Poster presented at the Eighth Conference on Laboratory Phonology, Yale University, June 27-30.

Davidson, Lisa. 2002. Weak syllable elision and gestural coordination in English. Talk presented at the Hopkins-UMD-Rutgers-UMass (HUMDRUM) Meeting 2002, University of Massachusetts, April 20-21.

Davidson, Lisa and Matthew Goldrick. 2001. Uncovering default verbs in the acquisition of Catalan. Talk presented at the 4th Conference on the Acquisition of Spanish and Portuguese as First and Second Languages, University of Illinois, Urbana-Champaign, October 11-14, 2001.

Davidson, Lisa and Géraldine Legendre. 2001. Explaining the non-optionality of optional Infinitives in Catalan and French. Poster presented at Generative Approaches to Language Acquisition (GALA) 2001, Palmela, Portugal, September 14-16, 2001.

Legendre, Géraldine, Paul Hagstrom, Liang Tao, Joan Chen, and Lisa Davidson. 2001. A preliminary look at the acquisition of aspect in Mandarin Chinese in Optimality Theory. Talk presented at the Third International Conference on Cognitive Science, Beijing, China, August 27-31, 2001.

Davidson, Lisa and Matt Goldrick. 2001. Probabilistic floating constraint ranges in Catalan. Talk presented at HUMDRUM 2001, Johns Hopkins University, May 5-6.

Davidson, Lisa and Géraldine Legendre. 2001. Defaults and competition in the acquisition of functional categories in Catalan and French. Talk presented at the XXXI Linguistic Symposium on Romance Languages (LSRL), University of Illinois at Chicago, April 20-22, 2001.

Davidson, Lisa. 2000. The effects of hidden rankings on the acquisition of consonant clusters. Talk presented at the New Sounds 2000 Conference, Amsterdam, September 4-7, 2000.

Davidson, Lisa. 2000. Experimentally uncovering hidden strata in English phonology. Poster presented at the 22nd Annual Conference of the Cognitive Science Society, Philadelphia, August 13-15, 2000.

Davidson, Lisa. 2000. Hidden strata and graded performance in Optimality Theory. Talk presented at HUMDRUM 2000, Rutgers University.

Davidson, Lisa. 1999. Correspondence relations in verbal paradigms: Evidence from the second conjugation of Catalan. Poster presented at the Maryland Morphology Mayfest, College Park.

Davidson, Lisa and Ruth de Diego Balaguer. 1998. Processing of Spanish verbal morphology. Poster presented at the European Conference of Cognitive Psychology, Jerusalem, Israel.

Davidson, Lisa and Rolf Noyer. 1997. Loan phonology in Huave: Nativization and the ranking of Faithfulness constraints. Talk presented at WCCFL 15, University of California, Irvine.

PROFESSIONAL ACTIVITIES, SERVICE AND MEMBERSHIPS

NSF Reviewing:

- Spring cycle reviewing for Linguistics, 2006

Ad-hoc Reviewing:

- *Language Learning*
- *Journal of Phonetics*
- *Journal of the Acoustical Society of America*
- *WCCFL*
- *Phonology*
- *Cognitive Science*
- *Phonetica*
- *Laboratory Approaches to Spanish Phonology*

University service:

- Library Liaison for Social Sciences, 2007-
- Member of the GSAS Graduate Curriculum Committee, 2004-2007

Department committees:

- Curriculum committee, 2007-
- Statistics committee, 2005
- QP standards revision committee, 2005
- Open House committee, 2005-2006
- Honors committee, 2004

Conference organizing:

- Organizer of Ultrafest IV at NYU, September 2007
- Co-Organizer of the NYU Linguistics Department Phonetics/Phonology Workshop, April 2004

Search committees:

- Member, Phonology search committee, 2005, 2006
- Member, Neurolinguistics search committee, 2004

Workshops:

- LANYU workshop: Making an effective poster. October 6, 2006 (with Liina Pylkkanen)
- LANYU workshop: Conference submissions, 2006 (with Anna Szabolcsi)
- Johns Hopkins Center for Talented Youth (CTY) panel member, college workshop for high school seniors at Stevens Institute of Technology, October 24, 2004.
- LANYU workshop: How to convey quantitative information in an efficient, elegant, and illuminating manner, April 28, 2004 (with Greg Guy)

International Service:

- Grant evaluator for the Agència de Gestió d'Ajuts Universitaris i de Recerca, Generalitat de Catalunya (the university research funding department of the Catalan government, Spain), 2004, 2006

Memberships:

- Member of the Linguistic Society of America, 2000-present
- Member of the International Phonetic Association, 2002-present
- Member of the Acoustical Society of America, 2003-present
- Member of the Cognitive Science Society, 2005-present

COURSES TAUGHT

V61.0011 Sound and Language
V61.0012 Phonological Analysis
V61.0028 Language and Mind
G61.3110 Seminar in Phonetics: The Syllable in Phonetic Theory
G61.2110 Acoustic Phonetics
G61.2220 Laboratory Phonology
G61.3210 Seminar in Phonology: Second Language Acquisition of Phonology
G61.3210 Seminar in Phonology: Timing

THESES, QUALIFYING PAPERS AND INDEPENDENT STUDIES SUPERVISED

Chair:

Vincent Chanethom, Qualifying Paper, 2008
Rahul Balusu, Dissertation, 2007-2008
Rahul Balusu, Qualifying Paper, 2006
Tuuli Adams, Qualifying Paper, 2006
Paul De Decker, Qualifying Paper, 2004

Committee Member

Cara Shousterman, 2008
Danny Erker, 2008
Marcos Rohena Madrazo, Qualifying Paper, 2007
Jen Nycz, PhD proposal
Paul De Decker, Qualifying Paper, 2005
Stefan Benus, PhD, 2004
Erez Levon, PhD
Karen Kirke, Qualifying Paper, 2004

Graduate projects

Jen Nycz and Paul De Decker: Penn Linguistics Colloquium talk "Is Ash-tensing driven by acoustics or articulation?" An ultrasound study. February 2005. Resulted from class project.

Independent Study/Laboratory Research Assistant

Cettina Chiarelli, Spring 2008
Ryan Bennett, Spring 2007
Sonja Harpstead, Spring 2006
Jeris Brunette, Spring 2004, Spring 2005

Undergraduate Honors Advisor

Jeris Brunette, Spring 2004-Spring 2005
Serafina Shishkova, Fall 2004-Spring 2005 (Dean's Undergraduate Research Fellowship Recipient)