

JAMES STEPHEN MAGNUSON

Curriculum Vitae

Department of Psychological Sciences
University of Connecticut
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Research interests

Psycholinguistics (word recognition, sentence processing, speech perception), neurobiological and genetic bases of typical and atypical language development and function, learning, representation (integration of internal representations with environmental context), probability matching, computational modeling.

Teaching interests

Psycholinguistics, cognitive science, sensation and perception, judgment and decision making, connectionist modeling, simulation and modeling, laboratory methods, neurobiology of language, behavior genetics of language

Education and academic positions

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| 2015 - | Associate Director | CT Institute for the Brain and Cognitive Sciences |
| Aug. 2014 - | Professor | University of Connecticut, Department of Psychology |
| 2008-2014 | Associate Professor | University of Connecticut, Department of Psychology |
| 2012 - | Director | Neurobiology of Language Training Program, interdisciplinary program involving: Behavioral Neuroscience; Clinical Psychology; Developmental Psychology; Linguistics; Perception-Action-Cognition (Psychological Sciences); Physiology & Neurobiology; Speech, Language & Hearing Sciences |
| 2012 - | Director | Cognitive Science Shared Electrophysiology Resource Laboratory |
| 2008-2012 | Director | Psychology Shared Electrophysiology Resource Lab (PSERL) |
| 2004-2008 | Assistant Professor | University of Connecticut, Department of Psychology |
| 2004-present | Senior Research Scientist | Haskins Laboratories, New Haven, CT |
| 2001-2004 | Assistant Professor | Columbia University, Department of Psychology |
| 2001 | Ph.D. | University of Rochester, Brain and Cognitive Sciences Advisors: Michael Tanenhaus and Richard Aslin |
| 2000 | M.A. | University of Rochester, Brain and Cognitive Sciences |
| 1993-1995 | Junior Research Scientist | Advanced Telecommunications Research Human Information Processing Laboratories, Kyoto, Japan |
| 1993 | B.A., with honors | University of Chicago, Linguistics |
| 1988 | French proficiency certificate | Université de Caen/Centre d'Etudes Franco-Américain, France |

Fellowships and grants

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| 2013-2017 | National Institute of Child Health and Human Development | <i>Individual Differences in Learning Potential for Language and Literacy</i> (Haskins Labs, D. Braze, PI). Role: Subcontract PI. Subcontract total costs: \$349,000. |
| 2012-2017 | National Science Foundation | <i>IGERT: Language plasticity – Genes, brain, cognition, and computation</i> . Role: PI. Total costs: \$3,000,000. |
| 2012-2017 | National Institute of Child Health and Human Development | <i>Nature and acquisition of the speech code and reading</i> (Program Project Grant; J. Rueckl, PI), awarded to Haskins Laboratories. Total costs: \$7,230,266. Project Leader, "Speech production, speech perception, and orthography: Reciprocal influences". |
| 2010-2015 | National Institute on Deafness & Other Communication Disorders | <i>Dynamics of Spoken Word Comprehension in Aphasia</i> (to Moss Rehabilitation Research Institute, D. Mirman, PI). Role: Subcontract PI. Total subcontract costs: \$420,000. |
| 2010-2015 | National Institute on Deafness & Other Communication Disorders | <i>Emergence, structure and neurobiological bases of typical and atypical language</i> . Role: Co-I (D. Lillo-Martin, PI). Total costs: |

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| | | \$1,300,000. |
| 2010 | UConn VP for Research and Research Advisory Council | <i>Equipment for PSEERL (Psychology Electrophysiology Shared Resource Laboratory)</i> . \$80,305 |
| 2010 | UConn Research Foundation | <i>Phoneme Transposition Effects in Spoken Word Perception</i> . Role: Co-PI (J. Rueckl, PI). \$22,800. |
| 2009 | UConn Research Foundation | <i>Evaluating effects of neurofeedback on cognitive processing</i> . Total costs: \$12,647 |
| 2008-2013 | National Science Foundation | <i>CAREER: The time course of bottom-up and top-down integration in language understanding</i> . Total costs: \$400,000. |
| 2007-2010 | National Science Foundation | <i>Compensation for coarticulation: Implications for the basis and architecture of speech perception</i> (PI; co-investigators: C. Fowler, N. Viswanathan). Total costs: \$271,779. |
| 2007-2012 | National Institute of Child Health and Human Development | <i>Nature and acquisition of the speech code and reading</i> (Program Project Grant; C. A. Fowler, PI), awarded to Haskins Laboratories. Total costs: \$5,000,000. Investigator, 2 projects. |
| 2006-2011 | National Institute of Child Health and Human Development | <i>Neuro-behavioral mechanisms in reading comprehension</i> (D. Shankweiler, P.I.), awarded to Haskins Laboratories. Total costs: \$2,000,000. Investigator. |
| 2004 | UConn Research Foundation | <i>Is the language processing system interactive? An ERP approach</i> . Total costs: \$12,000. |
| 2003 | National Institute on Deafness & Other Communication Disorders | Supplement to R01 DC05765 to promote software and database development. Total costs: \$50,000. |
| 2002-2007 | National Institute on Deafness & Other Communication Disorders | R01 DC05765, <i>The Auditory Lexicon: Similarity, Learning and Processing</i> . Total costs: \$1,185,000. |
| 1998-2000 | Sproull Fellowship | University of Rochester |
| 1995-1998 | Graduate Research Fellowship | National Science Foundation |

Awards

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| 2004 | American Psychological Association | Division of Experimental Psychology Young Investigator Award in Experimental Psychology: General (for Magnuson et al., 2003) |
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Teaching experience

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| 2012, 2013, 2014, 2015 | <i>IGERT Foundations 1: Genes, Brain, and Cognition</i> : Graduate seminar introducing fundamentals of biology, neuroscience, genetics, cognitive psychology, and computational modeling (prerequisite background for subsequent <i>Foundations</i> seminars). |
| 2007, 2010 | <i>Cognition (367)</i> . Graduate seminar on cognitive psychology |
| 2006, 2009, 2013 | <i>Time course methods</i> . Graduate seminar on eye tracking and ERP |
| 2006, 2008 | <i>The mental lexicon</i> . Graduate seminar |
| 2005, 2006, 2009-2011, 2016 | <i>Cognitive Psychology, Psychology 2501</i> : undergraduate lecture |
| 2005-2008 | <i>Principles of Research in Psychology, Psychology 202QW</i> , U CT, lecture + lab, 3 sections |
| 2004 | <i>Experimental Psychology: Human Behavior</i> . Undergraduate lab and research methods course, Columbia University |
| 2003 | <i>Dept. of Psychology Honors Seminar</i> : Columbia seminar for psychology and neuroscience majors, guiding them through 2 years of supervised research and an honors thesis |
| 2001, 2002 | <i>Language & Cognition Seminar</i> . Graduate seminar, Columbia University |

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| 2002, 2003 | <i>Models of Cognition</i> : Graduate/advanced undergraduate seminar on connectionism and other modeling paradigms, Columbia University |
| 2002 | <i>Cognition</i> . Large undergraduate lecture course, Columbia University |
| 2002 | American Psychological Association Science Directorate Summer Science Institute: Short course on psycholinguistics |

Selected external professional activities

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| 2013-2016 | College of Reviewers | National Science Foundation (Perception, Action, & Cognition) |
| 2012-2016 | Ad-hoc member | NIH Language & Communication study section |
| 2009-2012 | Associate Editor | Journal of Memory and Language |
| 2008-2012 | Associate Editor | Cognitive Science |
| 2008-present | Editorial board | Cognition |
| 2006-2008 | Board of reviewers | Cognitive Science |
| 2007, 2008 | Program Committee | Annual Meeting of the Cognitive Science Society |
| 2006 | Scientific committee | Architectures and Mechanisms of Language Processing (AMLAP conference) |
| 1998-present | Ad-hoc reviewer | |
| | Funding agencies: <i>National Science Foundation, National Institutes of Health, Scottish Rite Charitable Foundation, Netherlands Organization for Scientific Research</i> | |
| | Academic journals: <i>Acta Psychologica, Brain and Language, Behavior Research Methods, Cerebral Cortex, Cognition, Cognitive Psychology, Cognitive Science, Connection Science, Discourse Processes, Experimental Brain Research, Journal of the Acoustical Society of America, Journal of Cognitive Neuroscience, Journal of Experimental Psychology: Human Perception and Performance, Journal of Experimental Psychology: Learning, Memory & Cognition, Journal of Memory and Language, Journal of Speech, Language, & Hearing Research, Language & Cognitive Processes, Language & Speech, Memory & Cognition, PLoS ONE, Proceedings of the National Academy of Science, Perception & Psychophysics, Quarterly Journal of Experimental Psychology, Social Neuroscience</i> | |
| | Conferences: <i>Annual Meeting of the Cognitive Science Society, CUNY Sentence Processing Conference, Architectures and Mechanisms of Language Processing</i> | |
| 2000 | Co-editor | University of Rochester Working Papers in Language Sciences |
| 1998 | Organizing Committee | First Annual North East Cognitive Science Society meeting |

Selected internal service activities

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| 2015 - | Associate Director | CT Institute for the Brain and Cognitive Sciences |
| 2015 - | Member, Steering Committee | Brain Imaging Research Center, UConn |
| 2013-14 | Strategic Area Advisory Team, <i>Brain, Mind & Cognition</i> | Interdisciplinary panel that met to evaluate research and training in areas related to <i>Brain, Mind & Cognition</i> at UConn as part of the Provost's academic planning process |
| 2012-2015 | Chair, proposal committee, <i>CT Institute of Brain & Cognitive Sciences</i> | Led committee seeking to establish an institute that will connect brain and cognitive sciences with biological and physical sciences; CT Institute for the Brain and Cognitive Sciences was founded in July, 2015 |
| 2012 - | Director, Neurobiology of Language Training Program | Interdisciplinary training program involving 32 faculty from 7 Ph.D. programs; PI of IGERT training grant, leader of efforts to obtain additional external funding, to establish a training certificate in Neurobiology of Language, and to establish a permanent program |
| 2012-2015 | fMRI Planning Committee | Committee proposed functional magnetic resonance imaging facility at UConn, and developed implementation and business plan; this effort was successful and the Brain Imaging Research Center opened in July, 2015 |

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| 2008-present | Computer Committee | UConn Department of Psychology / Psychological Sciences |
| 2006-2011 | Vision Committee | UConn Department of Psychology |
| 2005-2012 | Web committee (<i>chair</i>) and webmaster | UConn Psychology |
| 2001-2004 | Columbia University Dept. of Psychology | Computer committee Graduate admissions committee Liaison to fMRI center at Columbia Health Sciences Campus |

Professional affiliations

Association for Psychological Science
Cognitive Neuroscience Society
Cognitive Science Society
Psychonomic Society
Society for the Neurobiology of Language

PUBLICATIONS AND PRESENTATIONS

Publications submitted or in press

1. Kornilov, S.A., Magnuson, J.S., Landi, N., Lee, M., & Grigorenko, E.L. (submitted). Cohesion of cortical language networks in the alpha EEG band during word processing is predicted by a common polymorphism in the *SETBP1* gene. *Developmental Science*.

Publications

1. Kornilov, S. A., Rakhlin, N., Kuposov, R., Lee, M., Yrigollen, C., Caglayan, A. O., Magnuson, J. S., Mane, S., Chang, J. T., Grigorenko, E. L. (2016). Genome-wide association and exome sequencing study of language disorder in an isolated population. *Pediatrics*, 137, 2016:137. Doi: 10.1542/peds.2015-2469
2. Braze, D., Katz, L., Magnuson, J. S., Mencl, W. E., Tabor, W., Van Dyke, J. A., Gong, T., Johns, C. L., Shankweiler, D. P. (2016). *Reading and Writing*, 29, 435-451. (IF 1.634)
3. Sadat, J., Martin, C. D., Magnuson, J. S., Alario, F-X., & Costa, A. (2015 [early online version; print version has not yet appeared]). Breaking down the bilingual cost in speech production. *Cognitive Science*. DOI:10.1111/cogs.12315
4. Zhang, C., Pugh, K. R., Mencl, W. E., Molfese, S. J., Magnuson, J. S., Peng, G., & Wang, W. S-Y. (2016). Functionally integrated neural processing of linguistic and talker information: An event-related fMRI and ERP study. *Neuroimage*, 124, 536-549
5. Magnuson, J. S. (2015). Phoneme restoration and empirical coverage of interactive activation and adaptive resonance models of human speech processing. *Journal of the Acoustical Society of America*, 137(3), 1481-1492. <http://dx.doi.org/10.1121/1.4904543>.
6. Kornilov, S. A., Magnuson, J. S., Rakhlin, N., Landi, N., & Grigorenko, E. L. (2015). Lexical processing deficits in children with Developmental Language Disorder: an event-related potentials study. *Development and Psychopathology*, 27, 459-476.
7. Collisson, B. A., Grela, B., Spaulding, T., Rueckl, J. G., & Magnuson, J. S. (2015). Individual differences in the shape bias in preschool children with Specific Language Impairment and typical language development: Theoretical and clinical implications. *Developmental Science*, 18:3, 373-388.
8. Viswanathan, N., Magnuson, J. S., & Fowler, C. (2014). Information for coarticulation: Static signal properties or formant dynamics? *Journal of Experimental Psychology: Human Perception & Performance*, 40(3), 1228-1236.
9. Kornilov, S. A., Landi, N., Rakhlin, N., Fang, S-Y., Grigorenko, E. L., & Magnuson, J. S. (2014). Attentional but not pre-attentive neural measures of auditory discrimination are atypical in children with Developmental Language Disorder. *Developmental Neuropsychology*, 39(7), 543-567.
10. Scarf, D., Terrace, H., Colombo, M., & Magnuson, J. S. (2014). Eye movements reveal planning in humans: A comparison with Scarf and Colombo's (2009) monkeys. *Journal of Experimental Psychology: Animal Behavior and Processes*, 40(2), 178-184.
11. Britt, A. E., Mirman, D., Kornilov, S. A., and Magnuson, J. S. (2014). Effect of repetition proportion on language-driven anticipatory eye movements. *Acta Psychologica*, 145(1), 128-138. DOI: 10.1016/j.actpsy.2013.10.004.
12. Kukona, A., Cho, P. W., Magnuson, J. S., & Tabor, W. (2014). Lexical interference effects in sentence processing: Evidence from the visual world paradigm and self-organizing models. *Journal of Experimental Psychology: Learning, Memory & Cognition*, 40(2), 326-347.
13. Hannagan, T., Magnuson, J. S. & Grainger, J. (2013). Spoken word recognition without a TRACE. *Frontiers in Psychology*, 4:563. doi:10.3389/fpsyg.2013.00563.
14. Viswanathan, N., Magnuson, J. S., & Fowler, C. A. (2013). Similar response patterns do not imply identical origins: An energetic masking account of nonspeech effects in compensation for coarticulation. *Journal of Experimental*

- Psychology: Human Perception & Performance*, 39, 1181-92. doi: 10.1037/a0030735.
15. Magnuson, J. (2013). Frequency effects in word recognition. In H. Pashler (Ed.), *Encyclopedia of the mind*. (Vol. 6, pp. 367-369). Thousand Oaks, CA: SAGE Publications, Inc. doi: 10.4135/9781452257044.n135
 16. Eigsti, I. M., & Magnuson, J.S. (2013). *Psycholinguistics*. In F. Volkmar (Ed.), *Encyclopedia of Autism Spectrum Disorders*: Springer Reference (www.springerreference.com). Berlin Heidelberg: Springer-Verlag.
 17. Magnuson, J. S., Mirman, D., & Myers, E. (2013). Spoken word recognition. In D. Reisberg (Ed.), *The Oxford Handbook of Cognitive Psychology* (pp. 412-441). New York, USA: Oxford University Press.
 18. Magnuson, J. S., Mirman, D., & Harris, H. D. (2012). Computational models of spoken word recognition. In M. Spivey, K. McRae, & M. Joanisse (Eds.), *The Cambridge Handbook of Psycholinguistics* (pp. 76-103). Cambridge University Press.
 19. Fowler, C. A., & Magnuson, J. S. (2012). Speech perception. In M. Spivey, K. McRae, & M. Joanisse (Eds.), *The Cambridge Handbook of Psycholinguistics* (pp. 3-25). Cambridge University Press.
 20. Mirman, D., Yee, E., Blumstein, S., & Magnuson, J.S. (2011). Theories of spoken word recognition deficits in aphasia: Evidence from eye-tracking and computational modeling. *Brain & Language*, 117, 53-68.
 21. Katz, L., Brancazio, L, Irwin, J., Katz, S., Magnuson, J., Scarborough, H. & Whalen, D. (2011) What Lexical Decision and Naming Tell Us About Reading. *Reading and Writing*, 25, 1259-1282. DOI 10.1007/s11145-011-9316-9.
 22. Magnuson, J. S., Kukona, A., Braze, B., Johns. C.L., Van Dyke, J., Tabor, W., Mencl, E., Pugh, K.R., & Shankweiler, D. (2011). Phonological instability in young adult poor readers: Time course measures and computational modeling. In P. McCardle, B. Miller, J.R. Lee, & O. Tseng, *Dyslexia Across Languages: Orthography and the Brain-Gene-Behavior Link*, pp. 184-201. Baltimore: Paul Brookes Publishing.
 23. Kukona, A., Fang, S., Aicher, K. A., Chen, H., & Magnuson, J. S. (2011). The time course of anticipatory constraint integration. *Cognition*, 119, 23-42.
 24. Braze, D., Mencl, E., Tabor, W., Pugh, K. R., Constable, R. T., Fulbright, R. K., Magnuson, J. S., Van Dyke, J. A., & Shankweiler, D. P. (2011). Unification of sentence processing via ear and eye: An fMRI study. *Cortex*, 47, 416-431.
 25. Viswanathan, N., Magnuson, J. S., & Fowler, C. A. (2010). Compensation for coarticulation: Disentangling auditory and gestural theories of perception of coarticulatory effects in speech. *Journal of Experimental Psychology: Human Perception and Performance*, 36, 1005-1015.
 26. Mirman, D., Graf Estes, K., & Magnuson, J.S. (2010). Computational modeling of statistical learning: Effects of transitional probability versus frequency and links to word learning. *Infancy*, 15, 471-486.
 27. Mirman, D., Strauss, T.J., Dixon, J.A., & Magnuson, J.S. (2010). Effect of representational distance between meanings on recognition of ambiguous spoken words. *Cognitive Science*, 34, 161-173.
 28. Stephen, D. G., Mirman, D., Magnuson, J. S., & Dixon, J. A. (2009). Levy-like diffusion in eye movements during spoken-language comprehension. *Physical Review E*, 79, 056114.
 29. Stephen, D. G., Boncoddio, R. A., Magnuson, J. S., & Dixon, J. A. (2009). The dynamics of insight: Mathematical discovery as a phase transition. *Memory & Cognition*, 37, 1132-1149.
 30. Mirman, D. & Magnuson, J.S. (2009a). The effect of frequency of shared features on judgments of semantic similarity. *Psychonomic Bulletin & Review*, 16(4), 671-677.
 31. Mirman, D. & Magnuson, J.S. (2009b). Dynamics of activation of semantically similar concepts during spoken word recognition. *Memory & Cognition*, 37, 1026-1039.
 32. Viswanathan, N., Fowler, C. A., & Magnuson, J. S. (2009). A critical examination of the spectral contrast account of compensation for coarticulation. *Psychonomic Bulletin and Review*, 16, 74-79.
 33. Magnuson, J.S., Tanenhaus, M.K., & Aslin, R.N. (2008). Immediate effects of form-class constraints on spoken word recognition. *Cognition*, 108(3), 866-873.
 34. Mirman, D., Magnuson, J.S., Graf Estes, K., and Dixon, J.A. (2008). The link between statistical segmentation and word learning in adults. *Cognition*, 108(1), 271-280.
 35. Mirman, D., Dixon, J. A., & Magnuson, J. S. (2008). Statistical and computational models of the visual world paradigm: Growth curves and individual differences. *Journal of Memory & Language*, 59(4), 475-494.
 36. Mirman, D., McClelland, J.L., Holt, L.L., and Magnuson, J.S. (2008). Effects of attention on the strength of lexical influences on speech perception: Behavioral experiments and computational mechanisms. *Cognitive Science*, 32, 398-417.
 37. Mirman, D. & Magnuson, J.S. (2008). Attractor dynamics and semantic neighborhood density: Processing is slowed by near neighbors and speeded by distant neighbors. *Journal of Experimental Psychology: Learning, Memory & Cognition*, 34, 65-79.
 38. Magnuson, J. S. (2008). Nondeterminism, pleiotropy, and single word reading: Theoretical and practical concerns. In E. Grigorenko & A. Naples (Eds.), *Single Word Reading*, pp. 377-404. Mahweh, NJ: Erlbaum.
 39. Magnuson, J. S., Dixon, J., Tanenhaus, M. K., & Aslin, R. N. (2007). The dynamics of lexical competition during spoken word recognition. *Cognitive Science*, 31, 133-156.
 40. Magnuson, J. S., & Nusbaum, H. C. (2007). Acoustic differences, listener expectations, and the perceptual accommodation of talker variability. *Journal of Experimental Psychology: Human Perception and Performance*, 33, 391-409.

41. Strauss, T. J., Harris, H. D., & Magnuson, J. S. (2007). jTRACE : A reimplement and extension of the TRACE model of speech perception and spoken word recognition. *Behavior Research Methods*, 39, 19-30.
42. Dahan, D., & Magnuson, J. S. (2006). Spoken-word recognition. In M. J. Traxler & M. A. Gernsbacher (Eds.), *Handbook of Psycholinguistics* (pp. 249-283). Amsterdam: Academic Press.
43. Magnuson, J. S. (2005). Moving hand reveals dynamics of thought. *Proceedings of the National Academy of Sciences (PNAS)*, 102(29), 9995 - 9996.
44. Chambers, C. G., Tanenhaus, M. K., & Magnuson, J. S. (2004). Actions and affordances in syntactic ambiguity resolution. *Journal of Experimental Psychology: Learning, Memory, & Cognition*, 30, 687-696.
45. Magnuson, J. S., Tanenhaus, M. K., Aslin, R. N., and Dahan, D. (2003). The time course of spoken word recognition and learning: Studies with artificial lexicons. *Journal of Experimental Psychology:General*, 132(2), 202-227.
46. Magnuson, J. S., McMurray, B., Tanenhaus, M. K., and Aslin, R. N. (2003). Lexical effects on compensation for coarticulation: A tale of two systems? *Cognitive Science*, 27, 795-799.
47. Magnuson, J. S., McMurray, B., Tanenhaus, M. K., and Aslin, R. N. (2003). Lexical effects on compensation for coarticulation: The ghost of Christmash past. *Cognitive Science*, 27, 285-298.
48. Dahan, D., Magnuson, J. S., Tanenhaus, M. K., and Hogan, E. M. (2001). Tracking the time course of subcategorical mismatches: Evidence for lexical competition. *Language and Cognitive Processes*, 16 (5/6), 507-534.
49. Dahan, D., Magnuson, J. S., and Tanenhaus, M. K. (2001). Time course of frequency effects in spoken-word recognition: Evidence from eye movements. *Cognitive Psychology*, 42, 317-367.
50. Hayhoe, M., Karn, K., Magnuson, J. & Mruczek, R. (2001). Spatial representations across fixations for saccadic targeting. *Psychologica Belgica*, 41, 55-74.
51. Dahan, D., Swingle, D., Tanenhaus, M. K., and Magnuson, J. S. (2000). Linguistic gender and spoken word recognition in French. *Journal of Memory and Language*, 42, 465-480.
52. Tanenhaus, M. K., Magnuson, J. S., Dahan, D. & Chambers, C. (2000). Eye movements and lexical access in spoken-language comprehension: Evaluating a linking hypothesis between fixations and linguistic processing. *Journal of Psycholinguistic Research*, 29, 557-580.
53. Tanenhaus, M. K., Magnuson, J. S., McMurray, B., Aslin, R. N. (2000). No compelling evidence against feedback in spoken word recognition. *Behavioral and Brain Sciences*, 23, 348.
54. Allopenna, P. D., Magnuson, J. S., and Tanenhaus, M. K. (1998). Tracking the time course of spoken word recognition using eye movements: Evidence for continuous mapping models. *Journal of Memory and Language*, 38, 419-439.
55. Nusbaum, H. C., and Magnuson, J. S. (1997). Talker normalization: Phonetic constancy as a cognitive process. In K. Johnson and J. W. Mullennix (Eds.), *Talker Variability in Speech Processing*, pp. 109 - 132. Academic Press.

Technical reports and working papers

1. Magnuson, J. S., Dahan, D., & Tanenhaus, M. K. (2001). On the interpretation of computational models: The case of TRACE. In J. S. Magnuson and K.M. Crosswhite (Eds.), *University of Rochester Working Papers in the Language Sciences*, 2 (1), 71 - 91.
2. Magnuson, J. S., Tanenhaus, M. K., & Aslin, R. N. (2000). Simple recurrent networks and competition effects in spoken word recognition. *University of Rochester Working Papers in the Language Science*, 1, 56-71.
3. Magnuson, J. S. (1995.7.25). Simulating probability matching in groups of foraging animals: A comparison of representational and nonrepresentational models. *ATR Human Information Processing Research Laboratories Technical Report TR-H-160*.
4. Magnuson, J. S., & Yamada, R. A. (1995.7.25). The effects of talker variability on the perception of American English /r/ and /l/ by Japanese listeners, II: Subject differences, acoustic and temporal correlates of talker effects, and some technical considerations. *ATR Human Information Processing Research Laboratories Technical Report TR-H-161*.
5. Magnuson, J. S., Yamada, R. A., & Nusbaum, H. C. (1995.7.20). The effects of talker variability and familiarity on mora perception and talker identification. *ATR Human Information Processing Research Laboratories Technical Report TR-H-158*.
6. Magnuson, J. S., & Yamada, R. A. (1994.12.6). The effects of talker variability on the perception of American English /r/ and /l/ by Japanese listeners. *ATR Human Information Processing Research Laboratories Technical Report TR-H-110*.

Refereed or invited conference proceedings publications

1. Magnuson, J. S. (2011). Individual differences in learning artificial lexicons. Peer-reviewed symposium contribution, *Proceedings of the 17th Meeting of the European Society for Cognitive Psychology*, pp. 43-44.
2. Mirman, D., Magnuson, J.S., Strauss, T.J., & Dixon, J.A. (2008). Effect of global context on homophone ambiguity resolution. In B.C. Love, K. McRae, & V.M. Sloutsky (Eds.), *Proceedings of the 30th Annual Cognitive Science*

- Society Meeting*. (pp. 663-668). Austin, TX: Cognitive Science Society.
3. Viswanathan, N., Magnuson, J. S., & Fowler, C. A. (2008). Compensation for Coarticulation may reflect gestural perception: Evidence from a critical examination of the effects of non-speech contexts on speech categorization. *Proceedings of the Eleventh Conference on Laboratory Phonology (LabPhon)*, Wellington, New Zealand, pp. 147-148.
 4. Magnuson, J.S., Mirman, D., Strauss, T., Tabor, W., & Rodny, J. (2007). Why do neighbors speed visual word recognition but slow spoken word recognition? *Proceedings of 13th Annual Conference on Architectures and Mechanisms for Language Processing (AMLAP)*, p. 37. (Talk).
 5. Kukona, A., Fang, S. Y., Aicher, K., Chen, H. & Magnuson, J. S. (2007). Predictive constraints on sentence processing: Argument structure and semantic priming. *Proceedings of the 2007 CUNY Human Sentence Processing Conference*, p. 27. March, La Jolla, CA.
 6. Magnuson, J. S., & Strauss, T. (2007). Do spoken words tell us how long they will be? *Proceedings of the 2007 CUNY Human Sentence Processing Conference*, p. 113. March, La Jolla, CA.
 7. Mirman, D., Strauss, T., Magnuson, J. S., & Dixon, J. A. (2007). Integration of pragmatic context in homophone ambiguity resolution: Time course of activation of context appropriate and context inappropriate meanings. *Proceedings of the 2007 CUNY Human Sentence Processing Conference*, p. 114. March, La Jolla, CA.
 8. Salverda, A. P., Spivey, M. J., Magnuson, J. S., & Tanenhaus, M. K. (2007). Eye movements and hand movements as indices of lexical processing. *Proceedings of the 2007 CUNY Human Sentence Processing Conference*, p. 169. March, La Jolla, CA.
 9. Mirman, D. & Magnuson, J. S. (2006). The impact of semantic neighborhood density on semantic access. *Proceedings of the Annual Meeting of the Cognitive Science Society*, 1823-1828.
 10. Strauss, T. J., Mirman, D., & Magnuson, J. S. (2006). Speech perception: Linking computational models and human data (half-day tutorial). *Proceedings of the Annual Meeting of the Cognitive Science Society*, 2669.
 11. Viswanathan, N., Magnuson, J. S., & Fowler, C. A. (2006). Disentangling gestural and auditory contrast accounts of compensation for coarticulation. *Proceedings of the Ninth International Conference on Spoken Language Processing (Interspeech 2006 - ICSLP)*, pp. 861-864.
 12. Magnuson, J. S., Strauss, T. J., & Harris, H. D. (2005). Interaction in spoken word recognition models: Feedback helps. *Proceedings of the Annual Meeting of the Cognitive Science Society*.
 13. Strauss, T. J., Magnuson, J. S., & Harris, H. D. (2005). JTRACE: A reimplemention and extension of the TRACE model of speech perception and spoken word recognition. *Proceedings of the Annual Meeting of the Cognitive Science Society*.
 14. Magnuson, J. S., Strauss, T., & Harris, H. D. (2005). On the role of interaction in models of spoken word recognition: Feedback helps. *Proceedings of the 2005 CUNY Human Sentence Processing Conference*, A-19.
 15. Harris, H. D., & Magnuson, J.S. (2004). A cross-disciplinary look at statistics and grounding in human lexical learning. In *Language Learning: An Interdisciplinary Perspective, Papers from the 2004 American Association for Artificial Intelligence Spring Symposium, Technical Report SS-04-05*, 28-31.
 16. Magnuson, J.S., Tanenhaus, M. K. & Aslin, R. N. (2002). Immediate integration of syntactic and referential constraints on spoken word recognition. In the *Proceedings of the 24th Meeting of the Cognitive Science Society*.
 17. Dahan, D., Magnuson, J. S., Tanenhaus, M. K., & Hogan E. M. (2000). Tracking the time course of subcategorical mismatches on lexical access: Evidence for lexical competition. In A. Cutler, J. M. McQueen, & R., Zondervan (Eds.), *Proceedings of the Workshop on Spoken Word Access Processes*, 67-70.
 18. Tanenhaus, M. K., Magnuson, J. S., McMurray, B. M., & Aslin, R. A. (2000). Does lexical knowledge mediate perceptual effects of compensatory coarticulation? Evidence from research with an artificial lexicon. In A. Cutler, J. M. McQueen, & R., Zondervan (Eds.), *Proceedings of the Workshop on Spoken Word Access Processes*, 107-110.
 19. Magnuson, J. S., Tanenhaus, M. K., Aslin, R. N., & Dahan, D. (1999). Spoken word recognition in the visual world paradigm reflects the structure of the entire lexicon. In M. Hahn & S. Stoness (Eds.), *Proceedings of the Twenty First Annual Conference of the Cognitive Science Society*, pp. 331-336. Mahwah, NJ: Erlbaum.
 20. Magnuson, J. S., Bensinger, D. G, Hayhoe, M., & Ballard, D. (1998). Learning to form visual chunks: On the structure of visuo-spatial working memory. In Gernsbacher, M. A., & Derry, S. J. (Eds.), *Proceedings of the Twentieth Annual Conference of the Cognitive Science Society*, 645-650. Mahwah, NJ: Erlbaum.

21. Magnuson, J. S., Dahan, D., Allopenna, P. D., Tanenhaus, M. K., & Aslin, R. N. (1998). Using an artificial lexicon and eye movements to examine the development and microstructure of lexical dynamics. In Gernsbacher, M. A., & Derry, S. J. (Eds.), *Proceedings of the Twentieth Annual Conference of the Cognitive Science Society*, 651-656. Mahwah, NJ: Erlbaum.
22. Allopenna, P. D., Magnuson, J. S., & Tanenhaus, M. K. (1997a). Tracking the time course of lexical activation in continuous speech. *Proceedings of the Nineteenth Annual Conference of the Cognitive Science Society*, 7 - 12. Mahwah, NJ: Erlbaum.
23. Magnuson, J. S. (1997). Does complex behavior require complex representations? *Proceedings of the Nineteenth Annual Conference of the Cognitive Science Society*, 472 - 477. Mahwah, NJ: Erlbaum.
24. Magnuson, J. S., & Yamada, R. A. (1996). The effects of talker variability on the perception of English /r/ and /l/ by Japanese listeners: Subject differences and acoustic correlates. *Proceedings of the 1996 International Conference on Spoken Language Processing (CD-ROM)*, SuP1P1.17/a022.pdf, 1-4.
25. Tanenhaus, M. K., Spivey-Knowlton, M. K., Eberhard, K. M. & Sedivy, J.C., Allopenna, P. D. & Magnuson, J. S. (1996). Eye-movements and spoken language comprehension. *Proceedings of the 34th Annual Meeting of the Association for Computational Linguistics*.
26. Magnuson, J. S., & Yamada, R. A. (1995). The effects of talker variability on the acquisition of non-native speech contrasts. *Proceedings of the 1995 International Congress of Phonetic Sciences*, 306-309.
27. Magnuson, J. S., Yamada, R. A., & Nusbaum, H. C. (1995). The effects of familiarity with a voice on speech perception. *Proceedings of the 1995 Spring Meeting of the Acoustical Society of Japan*, 391-392.
28. Magnuson, J. S., Yamada, R. A., Tohkura, Y., Bradlow, A., Lively, S., & Pisoni, D. B. (1995). The role of talker variability in non-native phoneme training. *Proceedings of the 1995 Spring Meeting of the Acoustical Society of Japan*, 393-394.
29. Magnuson, J. S. & Nusbaum, H. C. (1994). Some acoustic and non-acoustic conditions that produce talker normalization. *Proceedings of the 1994 Spring Meeting of the Acoustical Society of Japan*, 637-638.
30. Magnuson, J. S. & Yamada, R. A. (1994a). Effect of talker variability on the identification of American English /r/ and /l/ by Japanese listeners. *Proceedings of the 1994 Spring Meeting of the Acoustical Society of Japan*, 357-358.
31. Magnuson, J. S., & Yamada, R. A. (1994b). The effects of talker variability on the perception of American English /r/ and /l/ by Japanese subjects: Normalization or criteria setting? *Proceedings of the 1994 Fall Meeting of the Acoustical Society of Japan*, 413-414.
32. Magnuson, J. S., Yamada, R. A., & Nusbaum, H. C. (1994a). Variability in familiar and novel talkers: Effects on mora perception and talker identification. *September 1994 meeting of the Acoustical Society of Japan Technical Committee on Psychological and Physiological Acoustics, Kanazawa, Japan, H-94-44*, 1-8.
33. Magnuson, J. S., Yamada, R. A., & Nusbaum, H. C. (1994b). Are representations available for talker identification available for talker normalization? *Proceedings of the 1994 International Conference on Spoken Language Processing*, 1175-1179.
34. Yamada, R. A., Strange, W., Magnuson, J. S., Pruitt, J. S., Clarke, W. D. III. (1994a). The intelligibility of Japanese speakers' productions of American English /r/, /l/ and /w/, as evaluated by native speakers of American English. *Proceedings of the 1994 International Conference on Spoken Language Processing*, 2023-2026.
35. Yamada, R. A., Strange, W., Magnuson, J. S., Pruitt, J. S., Clarke, W. D. III. (1994b). Production and perception of American English /r/, /l/ and /w/ by native speakers of Japanese: The effects of immersion in an American English speaking environment. *Proceedings of the 1994 Fall Meeting of the Acoustical Society of Japan*, 411-412.

Other conference presentations

1. Malins, J., Fitters, J., Magnuson, J. Goeger, C., Buis, B., Mencl, W. E., Sevcik, R., Pugh, K., Morris, R., & Frost, S. (2016, April). Was that a pibu I just saw? Using an artificial lexicon to characterize the link between phonological abilities and reading deficits in children. Poster presented at the 2016 Meeting of the Cognitive Neuroscience Society, New York, NY.
2. Gong, T., Braze, D., Magnuson, J., Mencl, E., Tabor, W., Van Dyke, J., & Shankweiler, D. (2016, March). Interactions between reading skills and lexical properties on on-line sentence reading. Poster presented at the 29th Annual CUNY Conference on Human Sentence Processing, Gainesville, FL.
3. Landi, N., Frost, S., Malins, J., Rueckl, J., Mencl, W. E., & Pugh, K. (2015, October). Behavioral and neural (fMRI) evidence for improved lexical learning in a paired associate learning paradigm after a period of offline

- consolidation. Poster presented at the Society for the Neurobiology of Language, Chicago, IL.
4. Kornilov, S., Landi, N., Lee, M., Magnuson, J., & Grigorenko, E. (2015, October). Cohesion of cortical language networks in the alpha EEG band during word processing is predicted by a common polymorphism in the SETBP1 gene. Poster presented at the Society for the Neurobiology of Language, Chicago, IL.
 5. Tsai, J-T., Su, C-I. E., & Magnuson, J. S. (2015, October). Incremental processing of Chinese spoken words and the influence of fluent speech on lexical competition effects: Evidence for eye movements. Poster presented at the Society for the Neurobiology of Language, Chicago, IL.
 6. Zhang, C., Pugh, K. R., Mencl, W. E., Molfese, P. J., Frost, S. J., Magnuson, J. S., Peng, G., & Wang, W. S-Y. (2014, August). Temporal locus of interaction of phonetic and talker processing in speech perception: An ERP study. *Proceedings of the Annual Meeting of the Society for the Neurobiology of Language*, p. 34. Amsterdam.
 7. Magnuson, J. S. (2014, July). Phoneme restoration in interactive activation models: Yes they can! *Proceedings of the 36th Annual Cognitive Science Society Conference*, p. 3347. Québec City.
 8. Magnuson, J. S. (2014, July). Simple Recurrent Networks and human spoken word recognition. *Proceedings of the 36th Annual Cognitive Science Society Conference*, p. 3348. Québec City.
 9. Johns, A. R. & Magnuson, J. S. (2014, May). Lexically-mediated perceptual learning generalizes to new word positions. Poster presented at the 167th Meeting of the Acoustical Society of America. Providence, USA.
 10. Johns, C. L., Braze, D., Molfese, P. J., Van Dyke, J. A., Magnuson, J. S., Tabor, W., Mencl, W. E., Shankweiler, D. P. (2014, April). Structural MRI reveals correlations between individual differences in language-related cognitive abilities and thickness of language-relevant cortical areas. Poster presented at the Cognitive Neuroscience Society, Boston.
 11. Magnuson, J. S., Frost, S., Landi, N., Molfese, P., Sharoh, D., Rueckl, J., Preston, J., Mencl, W. E., Pugh, K. (2014, April). A crucial role for phonological inhibition in auditory referential word learning: Evidence from an artificial lexicon paradigm. Poster presented at the Cognitive Neuroscience Society, Boston.
 12. Zhang, C., Pugh, K. R., Mencl, W. E., Molfese, P. J., Frost, S. J., Magnuson, J. S., Peng, G., Wang, W. S-Y. (2014, April). Neural processing of phonetic and talker information in a tone language: An fMRI study. Poster presented at the Cognitive Neuroscience Society, Boston.
 13. Frost, S., Landi, N., Molfese, P., Magnuson, J., Sharoh, D., Rueckl, J., Preston, J., Mencl, W. E., & Pugh, K. (2014, April). Differential functional activation in speech/language areas associated with auditory lexical learning as a function of sleep consolidation. Poster presented at the Cognitive Neuroscience Society, Boston.
 14. Brozdowski, C. R., Gordils, J., & Magnuson, J. S. (2013, November). Contra the Qualitatively Different Representation Hypothesis (QDRH), concrete concepts activate associates faster than abstract concepts. Talk presented at the Psychonomic Society, Toronto.
 15. Brozdowski, C. R., Gordils, J., & Magnuson, J. S. (2013, November). Using text instead of pictures in the Visual World Paradigm: Phonological, semantic, and perceptual similarity effects. Poster presented at the Psychonomic Society, Toronto.
 16. Kurian, A. M., Zhao, J., Magnuson, J., & Rueckl, J. (2013, November). Phoneme transposition effects in spoken word recognition. Poster presented at the Psychonomic Society, Toronto.
 17. Myers, E., Mesite, L., Johns, A., & Magnuson, J. S. (2013, November). How the brain processes talker variability: The role of expectation. Poster presented at the Society for the Neurobiology of Language, San Diego.
 18. Zhang, C., Magnuson, J. S., Landi, N., Peng, G., & Wang, W. S-Y. (2013, November). Adjust the expectation of the phonetic form of words according to a talker's voice: A phonological mismatch negativity study. Poster presented at the Society for the Neurobiology of Language, San Diego.
 19. Magnuson, J. S. (2013, November). Interactive activation models simulate phoneme restoration with appropriate linking hypotheses. Poster presented at the Society for the Neurobiology of Language, San Diego.
 20. Collison, B., Grela, B., Spaulding, T., Rueckl, J., & Magnuson, J. S. (2013, July). Individual differences in shape bias are predicted by non-linguistic perceptual ability. *Proceedings of the 35th Annual Meeting of the Cognitive Science Society*, 3910.
 21. Johns, A., van der Lely, H., & Magnuson, J. S. (2013, July). Early Event-Related Potentials (ERPs) sensitive to animacy expectations in sentence comprehension are not overridden by context. *Proceedings of the 35th Annual Meeting of the Cognitive Science Society*, 3992.

22. Johns, A., van der Lely, H., & Magnuson, J. S. (2013, April). Structure-driven expectations for animacy drive early left event-related potential negativities that are not overridden by contextual expectations. Poster presented at the 20th Annual Meeting of the Cognitive Neuroscience Society, San Francisco, CA.
23. Sadat, J., Martin, C.D., Magnuson, J., Alario, F.-X., & Costa, A. (2013, March). Breaking down the bilingual cost in speech production. Poster presented at the 11th International Symposium of Psycholinguistics, Tenerife, Canary Island, Spain.
24. Shaw, A., Demos, A. P., Arthur, D., & Magnuson, J. S. (2012, November). Individual differences in lexical quality of newly learned words. Poster presented at the Psychonomic Society, Minneapolis, MN.
25. Kornilov, S., Landi, N., Rakhlin, N., Grigorenko, E. L. & Magnuson, J. S. (2012, November). Atypical simple tone discrimination and processing in children with developmental language impairment. Poster presented at the Society for the Neurobiology of Language, San Sebastian, Spain.
26. Braze, D., Kukona, A., Tabor, W., Magnuson, J. S., Mencl, E., Kornilov, S., Van Dyke, J.A., Johns, C., & SHANKWEILLER, D. (2012, May). Individual differences in speech-driven gaze patterns in the visual world task. The Scandinavian Workshop on Applied Eye Tracking, Karolinska Institutet, Stockholm.
27. Braze, D., Kukona, A., Tabor, W., Magnuson, J. S., Mencl, W. E., Kornilov, S., et al. (2011). Variation in visual world performance is related to both verbal and visual memory. Palo Alto, CA: Poster presented at the 24th CUNY Conference on Human Sentence Processing.
28. Mirman, D., Kornilov, K., & Magnuson, J. S. (2011). Fluent speech, uncertainty, and spoken word recognition. Architectures and Mechanisms of Language Processing (AMLAP) 2011, Paris, France, 1-3 September.
29. Fang, S. (g), Li, J. & Magnuson, J. S. (March, 2010). Reconsidering ERP evidence for early syntactic encapsulation. Talk presented at the 23rd Annual CUNY Conference on Human Sentence Processing, New York, NY.
30. Fang, S. & Magnuson, J.S. (Nov., 2009). An electrophysiological study of temporal order and learning in speech perception. Poster presented at the 50th Annual Meeting of the Psychonomic Society, Boston, MA.
31. Li, J., Fang, S., & Magnuson, J.S. (Nov., 2009). An electrophysiological index of learned anomaly anticipation in reading. Poster presented at the 50th Annual Meeting of the Psychonomic Society, Boston, MA.
32. Viswanathan, N., Magnuson, J. S., & Fowler, C. A. (Nov., 2009). Effects of sine wave contexts on compensation for coarticulation. Poster presented at the 50th Annual Meeting of the Psychonomic Society, Boston, MA.
33. Fang, S. & Magnuson, J.S. (2008). Effects of unrelated distractor frequency in the visual world paradigm. Poster presented at the *49th Annual Meeting of the Psychonomic Society*, Chicago, USA.
34. Magnuson, J.S., Mirman, D., & Dixon, J. (2008). A statistical and computational modeling approach to group and individual differences in the time course of language processing. *Poster presented at the 21st Annual CUNY Conference on Human Sentence Processing*. Chapel Hill, NC.
35. Mirman, D. and Magnuson, J.S. (2008). Dynamics of activation of semantically similar concepts during spoken word recognition. Paper presented at the 49th Annual Meeting of the Psychonomic Society, Chicago, IL.
36. Mirman, D., Yee, E., Magnuson, J.S., & Blumstein, S. (2008). Statistical and computational investigations of the time course of spoken word recognition in aphasia. Poster presented at the *2008 Meeting of the Cognitive Neuroscience Society*, San Francisco, CA.
37. Viswanathan, N., Tobin, S. J., Magnuson, J. S., & Fowler, C. A. (2008). Motor compatibility effects on speech perception. Poster presented at the 49th Annual meeting of the Psychonomic Society.
38. Kukona, A., Fang, S., Aicher, K., Chen, H., & Magnuson, J. S. (2007). Predictive constraints on sentence processing: Argument structure and semantic priming. Talk delivered at the *20th Annual CUNY Conference on Human Sentence Processing*, La Jolla, CA.
39. Magnuson, J. S., & Strauss, T. (2007). Do spoken words tell us how long they will be? Poster presented at the *20th Annual CUNY Conference on Human Sentence Processing*, La Jolla, CA.
40. Magnuson, J.S. & Mirman, D. (2007). Neighborhood effects in word recognition: It's not where you live, it's how you get home. Paper presented at the *48th Annual Meeting of the Psychonomic Society*, Long Beach, CA.
41. Magnuson, J.S., Mirman, D., & Strauss, T. (August, 2007). Why do neighbors speed visual word recognition but slow spoken word recognition? Paper presented at the 13th Annual Conference on Architectures and Mechanisms for Language Processing, Turku, Finland.
42. Mirman, D. & Magnuson, J.S. (2007). Attractor dynamics and semantic neighborhood density: Processing is slowed

- by near neighbors and speeded by distant neighbors. Paper presented at the 2nd UConn Workshop on Cognition and Dynamics, Storrs, CT.
43. Mirman, D., Magnuson, J.S., Graf Estes, K., & Dixon, J.A. (2007). Linking statistical learning to language processing. Invited paper presented at the Workshop on Current Issues in Language Acquisition: Artificial Languages and Statistical Learning, Calgary, Alberta, Canada.
 44. Mirman, D., Magnuson, J.S., Strauss, T.J., & Dixon, J.A. (2007). The time course of pragmatic context integration in homophone ambiguity resolution. Poster presented at the *48th Annual Meeting of the Psychonomic Society*, Long Beach CA.
 45. Mirman, D., Strauss, T., Magnuson, J.S., & Dixon, J.A. (2007). Integration of pragmatic context in homophone ambiguity resolution: Time course of activation of context-appropriate and context-inappropriate meanings. Poster presented at the *20th Annual CUNY Conference on Human Sentence Processing*, La Jolla, CA.
 46. Salverda, A. P., Spivey, M., Magnuson, J.S., & Tanenhaus, M. K. (2007). Eye movements and hand movements as indices of lexical processing. Poster presented at the *20th Annual CUNY Conference on Human Sentence Processing*, La Jolla, CA.
 47. Viswanathan, N., Magnuson, J.S., & Fowler, C.A. (2007, November). Effects of Nonspeech Contexts on Speech Categorization: A Critical Examination. Poster presented at the *48th Annual meeting of the Psychonomic Society*, Long Beach CA.
 48. Dixon, J., & Magnuson, J. S., (2006, August). Growth curve analysis of eye tracking. UConn Workshop on Nonlinear Dynamics and Cognition (small workshop).
 49. Magnuson, J. S., (2006, August). Time course measures? Comparing eye tracking, mouse tracking, and ERP. UConn Workshop on Nonlinear Dynamics and Cognition (small workshop).
 50. Mirman, D. & Magnuson, J.S. (2006). Location, Location, Location: Contrasting Effects of Near and Distant Semantic Neighbors on Semantic Access. *Poster presented at the 47th Annual Meeting of the Psychonomic Society*, Houston, TX.
 51. Strauss, T. J., Magnuson, J. S., & Harris, H. D. (2006). jTRACE: A user-friendly reimplementation and extension of the TRACE model of speech perception and spoken word recognition. *Journal of the Acoustical Society of America*, 119 (5), 3245.
 52. Viswanathan, N., Magnuson, J.S., & Fowler, C.A. (2006). Compensation for coarticulation : Three theories compared. *Journal of the Acoustical Society of America*, 119 (5), 3241.
 53. Viswanathan, N., Magnuson, J.S., & Fowler, C.A. (2006, November). Compensation for coarticulation : Comparing Contrast and Gestural theories. Poster presented at the 47th Annual meeting of the Psychonomic Society.
 54. Harris, H. D. & Magnuson, J. S. (2004). Proper names, common nouns, and category learning. Poster presented at the Annual Meeting of the Psychonomic Society.
 55. Magnuson, J.S., Tanenhaus, M. K. & Aslin, R. N. (2003). The time course of lexical competition in spoken word recognition. *Abstracts of the Psychonomic Society: 44- Annual Meeting*, 8, 96.
 56. Magnuson, J. S., Tanenhaus, M. K., Aslin, R. N., & Dahan, D. (2001). Eye movements and artificial lexicons: A paradigm for measuring real-time language processing and evaluating models. Poster presented at the *14th Annual CUNY Conference on Human Sentence Processing*.
 57. McMurray, B., Magnuson, J. S., Tanenhaus, M. K., & Aslin, R. N. (2001). Transitional probabilities and lexical status in spoken word recognition. Poster presented at the *14th Annual CUNY Conference on Human Sentence Processing*.
 58. Chambers, C. G., Tanenhaus, M. K., & Magnuson, J. S. (2000). Interaction of referential context and real-world knowledge in syntactic ambiguity resolution. Paper presented at the Annual Meeting of the Linguistic Society of America, Chicago, IL.
 59. Dahan, D., Magnuson, J. S., Tanenhaus, M. K., & Hogan E. (2000). Tracking the time course of subcategorical mismatches on lexical access. Poster presented at the annual meeting of the Psychonomic Society.
 60. Chambers, C. G., Tanenhaus, M. K., & Magnuson, J. S. (1999). Real-world knowledge modulates referential effects on PP-attachment: Evidence from eye movements in spoken language comprehension. Paper presented at the Fifth Conference on Architectures and Mechanisms for Language Comprehension (AMLaP), Edinburgh, UK.
 61. Magnuson, J. S., Dahan, D., Tanenhaus, M. K., & Aslin, R. N. (1999). A study of frequency and neighborhood

- effects on spoken word recognition using an artificial lexicon. *Proceedings of the Twelfth Annual CUNY Conference on Human Sentence Processing*, 98.
62. Magnuson, J. S., Tanenhaus, M. K., Aslin, R. N., & Dahan, D. (1999). Learning a novel lexicon: Effects of frequency, phonological overlap, and neighborhood density. Paper presented at the First Empire State Speech Conference, Binghamton, NY.
 63. Magnuson, J. S., Tanenhaus, M. K., Aslin, R. N., & Dahan, D. (1999). The time course of spoken-word recognition: Measurements and models. Paper presented at the Fifth Conference on Architectures and Mechanisms for Language Comprehension (AMLaP), Edinburgh, UK.
 64. Magnuson, J. S., Bensinger, D. G., Hayhoe, M. M., & Ballard (1998). Statistical regularities and task constraints in perceptual learning. *Proceedings of the Association for Research in Vision and Ophthalmology, Investigative Ophthalmology and Visual Science*, 39.
 65. Magnuson, J. S., Dahan, D., Allopenna, P. D., Tanenhaus, M. K., & Aslin, R. N. (1998). The development and microstructure of lexical dynamics. Talk presented at the First Annual Meeting of the North East Cognitive Science Society, May, Cornell University, Ithaca, NY.
 66. Allopenna, P. D., Magnuson, J. S., & Tanenhaus, M. K. (1997b). Tracking the time course of lexical access in spoken word recognition. Presented at the 38th meeting of the Psychonomic Society, November, 1997.
 67. Allopenna, P. D., Magnuson, J. S., & Tanenhaus, M. K. (1997c). Speech in time primes rhymes: Using eye movements to track lexical access in continuous speech. Paper presented at the 10th Annual CUNY Conference on Human Sentence Processing, March 20 - 22, Santa Monica, CA.
 68. Allopenna, P. D., Magnuson, J. S., & Tanenhaus, M. K. (1997d). Tracking the time course of lexical access in spoken word recognition. *Architectures and Mechanisms for Language Processing (AMLaP)*, September 11-13, Edinburgh, Scotland.
 69. Magnuson, J. S., Sagerer, G., Hayhoe, M. M., & Ballard, D. H. (1997). The role of fixations in task automatization. *Proceedings of the Association for Research in Vision and Ophthalmology, Investigative Ophthalmology and Visual Science*, 38(4), S963.
 70. Pruitt, J. S., Magnuson, J. S., & Akahane-Yamada, R. (1997). The effects of "mixed" versus "blocked" talker conditions crosses linguistic and phonetic boundaries. *Proceedings of the 1997 Fall meeting of the Acoustical Society of Japan*.
 71. Allopenna, P. D., Magnuson, J. S., & Tanenhaus, M. K. (1996). Watching spoken language perception: Using eye movements to track lexical access. In G. Cottrell (Ed.), *Proceedings of the Eighteenth Annual Conference of the Cognitive Science Society*, 723. Mahwah, NJ: Erlbaum.
 72. Magnuson, J. S. (1996). Does probability matching require complex representations? In G. Cottrell (Ed.), *Proceedings of the Eighteenth Annual Conference of the Cognitive Science Society*, 799. Mahwah, NJ: Erlbaum.
 73. Magnuson, J. S., Yamada, R. A., Tohkura, Y., & Bradlow, A. R. (1995). Testing the importance of talker variability in non-native speech contrast training. Paper presented at the 129th meeting of the Acoustical Society of America. *Journal of the Acoustical Society*, 97(5), 3417.
 74. Magnuson, J. S., & Yamada, R. A. (1994c). Talker variability and the identification of American English /r/ and /l/ by Japanese listeners. Paper presented at the 127th meeting of the Acoustical Society of America. *Journal of the Acoustical Society of America*, 95, 2872.
 75. Magnuson, J. S. & Nusbaum, H. C. (1993). Talker differences and perceptual normalization. Paper presented at the 125th meeting of the Acoustical Society of America. *Journal of the Acoustical Society of America*, 93, 2371.

Invited talks

1. Magnuson, J.S. (2015, June) Towards a model of the co-development of speech and reading. DYMO (Workshop on Dynamic Modeling), University of Cologne, Germany.
2. Magnuson, J. S. (2015, December). Building multidisciplinary graduate training. Global Literacy Summit, Yale University, New Haven, CT.
3. Magnuson, J. S. (November 12, 2014). Computational models as tools for theory development in brain and cognitive sciences. Invited colloquium, Center on Theoretical Science, Cheng Yuan Christian University, Chung Li City, Taiwan.
4. Magnuson, J. S. (November 11, 2014). Building intellectual communities. Invited address to the Center on Theoretical Science and administrators of Cheng Yuan Christian University, Chung Li City, Taiwan.
5. Magnuson, J. S. (November 10, 2014). Invited Discussant, International Workshop on Biological Foundations of

- Language, University of Macau.
6. Magnuson, J. S. (November 8, 2014). Attention, language, and the natural scheduling hypothesis. Keynote address, International Symposium on the Biological Foundations of Language, Chinese University of Hong Kong.
 7. Magnuson, J. S. (May 1, 2014). The shape bias in typical language development and Specific Language Impairment: Individual differences predicted by visual learning. Invited colloquium, SUNY New Paltz.
 8. Magnuson, J. S. (December 5, 2013). On sequence representation for speech and spoken word recognition. Invited colloquium, Columbia University, New York City.
 9. Magnuson, J. S. (May 11, 2013). ERP studies of children from a community with very high incidence of developmental language disorder. 2013 Symposium on L1 Reading Across Different Languages & L2 Literacy Acquisition. Zhongli City, Taiwan.
 10. Magnuson, J. S. (2012, June). Without a TRACE: A time invariant string kernel model of spoken word recognition. Invited colloquium, University of Geneva, Switzerland.
 11. Magnuson, J. S. (May 16, 2012). A new paradigm for studying lexical quality of newly learned words. Invited symposium talk, Second Language Acquisition: from Brain Plasticity to Cognition, Hebrew University, Jerusalem, Israel.
 12. Magnuson, J. S. (2011, May). Without a TRACE: A time invariant string kernel model of spoken word recognition. Invited colloquium, University College, London.
 13. Magnuson, J. S. (2011, April). Without a TRACE: A time invariant string kernel model of spoken word recognition. Invited colloquium, University of Edinburgh.
 14. Magnuson, J. S. (2011, April). Without a TRACE: A time invariant string kernel model of spoken word recognition. Invited colloquium, Max Planck Institute for Psycholinguistics, Nijmegen, The Netherlands.
 15. Magnuson, J. S. (2011, November). An overview of current theories of spoken word recognition. Invited lecture, Aix-Marseille University, Marseille, France.
 16. Magnuson, J. S. (2011, December). Computational models of spoken word recognition. Invited lecture, Aix-Marseille University, Marseille, France.
 17. Magnuson, J. S. (2011, October). Computational implications of priming and expectation in sentence processing. Distinguished Speakers Series Colloquium, Department of Computational Linguistics and Phonetics, Saarland University, Saarbrücken, Germany.
 18. Magnuson, J. S. (2011, October). Neighborhood dynamics in spoken word recognition. Department of Computational Linguistics and Phonetics, Saarland University, Saarbrücken, Germany.
 19. Magnuson, J. S. (2011, July). Neighborhood density and spoken word recognition: Qué pasa en Español? Basque Center on Cognition, Brain, and Language, San Sebastian/Donostia, Spain.
 20. Magnuson, J. S. (2011, July). Anticipation is making me...? Expectations in sentence processing. Basque Center on Cognition, Brain, and Language, San Sebastian/Donostia, Spain.
 21. Magnuson, J. S. (2011, March). Expectations, predictions, and priming in sentence processing. Northwestern University Department of Linguistics.
 22. Magnuson, J. S. & Allopenna, P. D. (2011, February). Individual differences in lexical learning abilities for speech and print: implications for bilingual research. Neuro-cognitive determinants of second language literacy in young adults: A multilingual perspective, II, Chungli City, Taiwan.
 23. Magnuson, J. S. (2011, February). Prediction, priming and computation in language understanding. University of Southern California, Department of Linguistics.
 24. Magnuson, J. S. (2011, February). Prediction, priming and computation in language understanding. University of San Diego, Department of Cognitive Science.
 25. Magnuson, J.S. (2010, October). Anticipation is making me look: Computational and empirical investigations of anticipation in sentence processing. Laboratoire de Psychologie Cognitive, Centre Nationale du Recherche Scientifique, Université de Provence-Marseille.
 26. Magnuson, J.S. (2010, September). The potential utility of dynamical measures of lexical processing and learning for the study of bilingualism. Workshop on neurobiological and cognitive determinants of second language literacy in young adults, Basque Center on Brain, Cognition, and Language, San Sebastian, Spain.
 27. Magnuson, J. S. (2010, May). Phonological stability in poor readers. Talk presented at the Alvin and Isabelle Liberman Memorial Workshop, Storrs, CT.
 28. Magnuson, J.S. (2010, March). Models of language comprehension: Opportunities and challenges. Plenary talk given at Cognitive Aging, Atlanta, GA.
 29. Magnuson, J.S., Kukona, A., Braze, D., Johns, C. L., Van Dyke, J. A., Tabor, W., Mencl, W. E., Pugh, . K. R., & Shankweiler, D. P. (2010, January). Phonological instability in young adult poor readers: Time course measures and

- computational modeling. Talk presented at The Dyslexia Foundation Extraordinary Brain Symposium, "Dyslexia across languages: Orthography and the gene-brain-behavior link," Taiwan.
30. Magnuson, J. S. (2010, January). An overview of computational modeling in psycholinguistics. Talk presented at the National Yang Ming University Conference on the Cognitive and Neurobiological Foundations of Bilingualism: Towards Multinational Research on Second Language Acquisition. Taipei, Taiwan.
 31. Magnuson, J. S. (2007, June). The use of artificial lexicons to examine typical and atypical language processing and development. Workshop on Current issues in language acquisition: Artificial languages and statistical learning. University of Calgary, June 22-24.
 32. Mirman, D., Magnuson, J.S., Graf Estes, K., & Dixon, J.A. (June, 2007). Linking statistical learning to language processing. Workshop on Current issues in language acquisition: Artificial languages and statistical learning. University of Calgary, June 22-24.
 33. Magnuson, J. S., (2006, August). Time course measures? Comparing eye tracking, mouse tracking, and ERP. UConn Workshop on Nonlinear Dynamics and Cognition (small workshop).
 34. Dixon, J., & Magnuson, J. S., (2006, August). Growth curve analysis of eye tracking. UConn Workshop on Nonlinear Dynamics and Cognition (small workshop).
 35. Magnuson, J. S. (2006, June). Artificial language studies and the distinction between statistical and linguistic knowledge. Invited participant in a "fishbowl" session on statistical learning, International Society for Infant Studies, Kyoto, Japan (large international conference).
 36. Magnuson, J. S., (2006, April). Dynamics of spoken word recognition. Colloquium, NYU Department of Psychology.
 37. Magnuson, J. S., (2006, April). Bottom-up and top-down constraints on ambiguity. Invited talk, USC Department of Linguistics Workshop on Ambiguity. (Small workshop with 6 speakers from across the nation.)
 38. Magnuson, J. S., (2006, April). Dynamics of spoken word learning and recognition. Brown University Department of Linguistic and Cognitive Sciences.
 39. Magnuson, J. S., (2006, February). Similarity of spoken words: From signal to semantics. Invited talk, LOVE Conference, Niagara Falls, Ontario. (Regional conference [Northeastern USA, Southeastern Canada], 1 of 6 speakers.)
 40. Magnuson, J. S., (2006, February). Dynamics of spoken word recognition. Colloquium, University of Western Ontario, Department of Psychology.
 41. Magnuson, J. S., (2005, March). It's about time: Spoken word similarity is dynamic. Blumstein lab, Department of Linguistic and Cognitive Sciences, Brown University, Providence, RI.
 42. Magnuson, J. S., (2005, April). The static lexicon? Talk given as part of a workshop on the Dynamics of the Lexicon, Center for the Ecological Study of Perception and Action, University of Connecticut, Storrs.
 43. Magnuson, J. S. (2004, March). University of California, Berkeley, Department of Linguistics.
 44. Magnuson, J. S. (2004, March). University at Buffalo, Department of Psychology.
 45. Magnuson, J. S. (2004, March). University of Toronto-Mississauga, Psychology, 29 January, 2004
 46. Magnuson, J. S. (2004, January). Carnegie Mellon University, Department of Psychology.
 47. Magnuson, J. S. (2004, January). Carnegie Mellon University, Cognitive Area.
 48. Magnuson, J. S. (2004, January). University of Denver, Department of Psychology.
 49. Magnuson, J. S. (2001, February). Annual meeting of the American Association for the Advancement of Science (AAAS), Symposium on "Eye Movements: Eye Movements and Spoken Language." "Time, eye movements, and computational models of spoken language understanding."
 50. Magnuson, J. S. (2001, December). Sackler Center for Developmental Psychobiology, Cornell University Medical Center, New York City. "The Structure and Development of Spoken Word Recognition."
 51. Magnuson, J. S. (2001, June). Canadian Society for Brain, Behavior, and Cognitive Science (symposium on "Computational Models of Memory and Language"). "Modeling the time course of spoken word recognition."
 52. Magnuson, J. S. (1997, September). University of New Mexico, Department of Linguistics. "Using eye movements to track the time course of lexical access in continuous speech."
 53. Magnuson, J. S. (1997, September). University of Glasgow, Department of Psychology. "Eye movements and competition effects in spoken-word recognition."

References

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