

Curriculum Vitae: Edward A. F. Gibson

Personal

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Citizenship: Dual US / Canadian

Education

1991—1992 Post-doctoral fellow, Department of Brain & Cognitive Sciences
MIT, Cambridge, MA

1986—1991 Ph.D. Computational Linguistics, Pittsburgh, PA
Carnegie Mellon University
*Thesis: A Computational Theory of Human Linguistic Processing:
Memory Limitations and Processing Breakdown*

1985—1986 M. Phil. Computer Speech and Language Processing
University of Cambridge, England

1980—1985 B.Sc. Mathematics and Computer Science
Queen's University, Kingston, Ontario, Canada

Positions Held

2004—present Professor, Dept of Brain & Cognitive Sciences, MIT

1997—2004 Associate Professor with tenure, MIT

1997—2000 Associate Professor, MIT

1993—1997 Assistant Professor, MIT

1992—1993 Assistant Professor, Carnegie Mellon University
(Program in Computational Linguistics, Department of Philosophy)

Awards and Fellowships

- Department of Brain and Cognitive Sciences Award for Excellence in Undergraduate Advising, April 2017
- Department of Brain and Cognitive Sciences Award for Excellence in Undergraduate Advising, May 2012
- Best article in *Memory and Cognition* in 2009: Fedorenko, E., Patel, A., Casasanto, D., Winawer, J. & Gibson, E. (2009). Structural integration in language and music: Evidence for a shared system.

- Discover Magazine, top 100 Stories of 2008, #39: Amazonian Tribe Doesn't Have Words for Numbers (reporting on the article in *Cognition* by Frank, Everett, Fedorenko & Gibson, 2008).
- David Marr Prize for Best Student Paper awarded to Michael Frank in 2008 for the following paper: Frank, M. C., Fedorenko, E., & Gibson, E. (2008). Language as a cognitive technology: English speakers match like Pirahã when you don't let them count. Paper presented at the 30th Annual Meeting of the Cognitive Science Society.
- McDonnell-Pew Research Fellowship at the Center for Cognitive Neuroscience at MIT, 1991-1992.
- David Marr Prize for Best Student Paper in 1990 for the following paper: Gibson, E. (1990). Recency preference and garden-path effects. Paper presented at the 12th Annual Meeting of the Cognitive Science Society
- Mellon Graduate Research Fellowship, 1987-1988.

Grants

- ***Determining the foundational properties of numerical development in an indigenous Amazonian group.*** NSF education, \$779,350. Pending: 2017-2020
- ***Workshop on Language Processing and Language Evolution: Special Session at the 2017 CUNY Conference on Human Sentence Processing.*** NSF linguistics program, \$42,499, 2016-2017
- ***The role of noise in information-theoretic models of sentence comprehension and production.*** NSF linguistics program, \$361,000, Summer 2015 – Summer 2018
- ***The nature of the pragmatic impairment in autism spectrum disorders*** (PI along with Evelina Fedorenko, Nancy Kanwisher, Josh Tenenbaum, Rebecca Saxe, Laura Schulz). Simons Center for the Social Brain at MIT, December 2014 – November 2017. Gibson section: \$264,426.
- ***Investigating cognitive and communicative pressures on natural language lexicons.*** NSF Doctoral Dissertation Award (co-PI: Kyle Mahowald), \$11,984, January 2015 – December 2016.
- ***Investigating the role of grammatical representation in language learnability.*** NSF Doctoral Dissertation Award (co-PI: Leon Bergen), \$11,999, July 2014 – June 2016.
- ***Causal Representations in Children's Transitive Sentences.*** NSF Doctoral Dissertation Award (co-PI: Melissa Kline), \$11,999, July 2012 – June 2014.
- ***Origins of numerical competence: Assessment of number sense in Piraha.*** NSF, \$199,400, Fall 2010 – Summer 2013.
- ***Discovering semantic primitives.*** NSF Doctoral Dissertation Award (co-PI: Steven Piantadosi), \$12,000, July 2010 – June 2011.
- ***Bayesian Cue Integration in Probability-Sensitive Language Processing.*** NSF, \$330,000, Summer 2009 – Summer 2013.
- ***Empirical studies and probabilistic models of word segmentation and word learning.*** NSF Doctoral Dissertation Award (co-PI: Michael Frank), \$11,976, Feb 2008 – Jan 2010.
- ***Evaluating the understandability of automatic translations.*** Lincoln Laboratories (MIT), Jan 2006 – Dec 2007.
- ***Evaluating the readability of speech-to-text transcriptions.*** Lincoln Laboratories (MIT), Jan

2003 – Dec 2006.

- *Intonational boundaries in sentence production and comprehension*. NSF, \$352,130, Oct 2002 – Sept 2005.
- *Plausibility and syntactic processing load* (co-PI; PI: Neal Pearlmutter, Northeastern University). NIH, \$125,726, July 2002 – June 2007.
- *The relationship between intonational phrasing and syntactic dependencies*. Solomon Buschbaum AT&T Research Fund, \$50,000, Sept 2000 - Aug 2002.
- *Empirical investigations of locality effects in linguistic complexity*. NSF, \$270,000, May 1998 – Apr 2001.
- *Computational investigations of parameter-setting in language* (co-PI; PI: Ken Wexler, MIT). NSF, \$300,000. Nov 1995 – Nov 1999.
- *Human sentence processing*. MIT Sloan grant, \$54,000, Dec 1994 – Dec 1996.

Recent Press

- **2017:** News coverage of our PNAS article “Color naming across languages reflects color use”: MIT News: <http://news.mit.edu/2017/analyzing-language-color-0918>
- Wired: <https://www.wired.com/story/what-you-call-a-color-depends-on-how-you-use-it/>
- The Conversation: <https://theconversation.com/languages-dont-all-have-the-same-number-of-terms-for-colors-scientists-have-a-new-theory-why-84117>
- Science: <http://www.sciencemag.org/news/2017/09/sky-really-blue-some-hunter-gatherers-don-t-describe-colors-same-way-most-people-do>
- Boston Globe: <https://www.bostonglobe.com/metro/2017/09/18/mit-scientists-find-link-between-languages-color-categories/8RTxH8CcxYWJy2Ye41DQBN/story.html>
- Seattle Post-Intelligencer: <http://www.seattlepi.com/news/article/Languages-don-t-all-have-the-same-number-of-terms-12206873.php>
- Neue Zürcher Zeitung, the national daily newspaper of Switzerland: <https://www.nzz.ch/wissenschaft/warum-rot-die-rampensau-unter-den-farben-ist-ld.1317656>
- Smithsonian: <http://www.smithsonianmag.com/science-nature/why-different-languages-name-different-colors-180964945/>
- Aeon article, about 2017 Psychological Science article, “The unexpected benefits of getting lost in translation”, <https://aeon.co/ideas/the-unexpected-benefits-of-getting-lost-in-translation>
- **2016:** TedX talk at Harvard: <https://www.youtube.com/watch?v=IN7IoD9udMs>
- **2015:** Guest on “Numbers by Nature” a 30 minute BBC Radio 4 program on the nature of counting in humans. <http://www.bbc.co.uk/programmes/b06pt0bk>
- News coverage of our Developmental Science paper on fairness in Tsimane’ children: “What counts as fair? Neuroscientists find that children’s ability to count is key to distributing resources based on merit.” <http://news.mit.edu/2015/children-ability-count-fairness-1110>
- News coverage of our PNAS paper on cross-linguistic dependency length minimization: MIT News: <http://newsoffice.mit.edu/2015/how-language-gives-your-brain-break-0803>
- Science magazine: <http://news.sciencemag.org/social-sciences/2015/08/all-languages-have-evolved-have-common>
- Ars Technica: <http://arstechnica.co.uk/science/2015/08/mit-claims-to-have-found-a-language-universal-that-ties-all-languages-together/>

- Reddit (top of Reddit August 7 2015)
https://www.reddit.com/r/science/comments/3g0vpk/mit_claims_to_have_found_a_language_universal/
- Huffington Post interview: <http://live.huffingtonpost.com/r/segment/top-stories-for-friday-aug-7/55bfc00e2b8c2aea50000608>
- **2014**: MIT news coverage of our Developmental Science paper on number development in a remote Bolivian tribe: the Tsimane' (Piantadosi, Jara-Ettinger & Gibson, 2014):
<http://newsoffice.mit.edu/2014/when-it-comes-to-numbers-culture-counts-bolivian-children-0618>
- **2013**: *The Current* (Canadian Broadcasting Corporation news radio program). Apostrophes, and when to use them.
- **2013**: The *Slate* website. Apostrophes, and when to use them:
http://www.slate.com/articles/life/the_good_word/2013/05/apostrophes_and_when_to_use_them_punctuation_necessary_at_all_not_really.html
- **2013**: MIT news coverage of our Psychological Science paper on the origins of word order (Gibson, Piantadosi, Brink, Bergen, Lim & Saxe, 2013):
<http://web.mit.edu/newsoffice/2012/applying-information-theory-to-linguistics-1010.html>
- **2013**: MIT news coverage of our PNAS paper on noisy-channel models (Gibson, Bergen & Piantadosi, 2013): <http://web.mit.edu/newsoffice/2013/decoding-noisy-language-0429.html>
- **2012**: MIT news coverage of our Cognition paper on ambiguity (Piantadosi, Tily & Gibson, 2012): <http://web.mit.edu/newsoffice/2012/ambiguity-in-language-0119.html>; also covered in Time magazine: <http://healthland.time.com/2012/01/27/study-why-words-with-many-meanings-make-language-more-efficient/>
- **2011**: MIT news coverage of our PNAS paper on Zipf's law (Piantadosi, Tily & Gibson, 2011): <http://web.mit.edu/newsoffice/2011/words-count-0210.html>; also covered in Nature News: <http://www.nature.com/news/2011/110124/full/news.2011.40.html>
- **2008**: MIT news coverage of our Cognition paper (Frank, Everett, Fedorenko & Gibson, 2008): <http://web.mit.edu/newsoffice/2008/language-0624.html>; also covered in Science News (among other sources):
http://www.sciencenews.org/view/generic/id/33300/title/Numbers_beyond_words

Professional Activities

- CUNY Human Sentence Processing conference, MIT, organizer, March 30-April 1, 2017
- Organizer of workshop on Culture / Cognition at MIT, March 29, 2017.
- Associate editor: *Language and Cognitive Processes*, 2000-2009.
- Associate editor: *Language*, 2006-2009.
- Editorial Board member: *Cognitive Science*; *Syntax: Journal of Theoretical, Experimental and Interdisciplinary Research*; *Journal of Psychological Research*; *Journal of Experimental Psychology: Learning, Memory and Cognition*; *Bradford books*, *MIT Press*.
- NIH, Biobehavioral and Behavioral Processes IRG, pre- and post-doctoral training review panel member, 2007.
- NSF, Linguistics panel member, 2001-2004.
- CUNY Human Sentence Processing conference, MIT, co-organizer, 2003.

- Computational Linguistics Graduate Student Organization, Carnegie Mellon University, President, 1988-1991.
- 20th Meeting of the North Eastern Linguistics Society, Pittsburgh, PA, Organizing Committee Chairman, 1989.
- Occasional Reviewer for numerous journals, including: *Language*, *Computational Linguistics*, *Language and Speech*, *Cognition*, *Language Acquisition*, *Journal of Psycholinguistic Research*, *Journal of Cognitive Neuroscience*, *Linguistic Inquiry*, *Language and Cognitive Processes*, *Journal of Mathematical Psychology*, *Journal of Memory and Language*, *Perceptual and Motor Skills*, *Journal of Linguistics*, *Linguistics and Philosophy*, *Natural Language and Linguistic Theory*, *Language Variation and Change*, *Psychological Bulletin and Review*, *Trends in Cognitive Science*, *Cognitive Brain Research*, *Language Learning*, *Syntax*, *Journal of Experimental Psychology: Learning Memory and Cognition*, *Quarterly Journal of Experimental Psychology*, *Memory and Cognition*, *Psychological Bulletin and Review*, *Psychological Science*, *Psychological Review*, *Lingua*, *Brain and Language*.
- Occasional Reviewer for many conferences including: *North Eastern Linguistics Society (NELS)*, *International Joint Conference on Artificial Intelligence (IJCAI)*, *Student Conference in Linguistics (SCIL)*, *Western Conference on Linguistics (WECOL)*, *CUNY conference on Human Sentence Processing*, *Architectures and mechanisms of language processing (AMLaP)*, *the Cognitive Science Society*, *Association for Computational Linguistics (ACL)*.
- Grant reviewing: *National Science Foundation*, *the National Institutes of Health*, *the Israel Science Foundation*, *the Netherlands Organization for Scientific Research*, *the Swiss Science Foundation*, *the German Science Foundation*, *the Danish Science Foundation*, *Hungarian Science Foundation*.

Ph.D. students supervised / currently supervising:

Maria Babyonyshev (1996); Edson Miyamoto (1998); Tessa Warren (2001); Dan Grodner (2002); Duane Watson (2002); Franny Hsiao (2003); Florian Wolf (2004); Kentaro Nakatani (2004); Evelina Fedorenko (2007); Mara Breen (2007); John Kraemer (2010); Michael Frank (2010); Steven Piantadosi (2011), Melissa Kline (expected 2015); Leon Bergen (expected 2015); Kyle Mahowald (expected 2016); Richard Futrell (expected 2017); Alex Paunov (expected 2017).

Postdoctoral students supervised / currently supervising:

Stefano Bertolo (1995-1998); Whitney Tabor (1996-1997); Edith Kaan (1997-1998); Susanne Tunstall (1998-2000); Doug Rohde (2001-2004); Michael Wagner (2005); Timothy Desmet (2005); Harry Tily (2010-2012); Peter Graff (2012-2013); Timothy O'Donnell (2012-2016); Rachel Ryskin (2016-present).

MIT Ph.D. committees:

Colin Phillips (1996), Kevin Broihier (1996), Carson Schutze (1996), Tony Harris (1998), Rose Roberts (1998), Rajesh Kasturirangan (2004), Amy Perfors (2008), Lauren Schmidt (2009), Rebecca Woodbury (2011), Nat Twarog (2012), Peter Graff (2012).

Outside Ph.D. committees:

Alex Franz (Carnegie Mellon, 1995); Alon Lavie (Carnegie Mellon, 1995); Carole Tenny-Boster (U. Connecticut, 1997); John Hale (Johns Hopkins, 2003); Ana Gouvea (University of Maryland College Park, 2002); Eric Solomon (Northeastern University, 2004); Florian Jaeger, (Stanford University, 2006); Tali Ditman (Tufts University, 2007); Louise Stanszak (Boston University, 2008); Claire Delle Luche, (University de Lyon, France, 2008); Nina Versteeg (Utrecht University, 2009); Tomoko Ishizuka (UCLA, 2010), Vera Demberg (University of Edinburgh, 2010).

M.Sc. students supervised:

James Thomas (1995), Kara Ko (1998), Melissa Troyer (2011).

Courses Taught

Introduction to computational linguistics. Graduate course, Carnegie Mellon University, fall 1992.

Natural language processing II. Graduate course, Carnegie Mellon University, spring 1993.

Human language processing. Graduate course, Carnegie Mellon University, spring 1993.

Human language processing (9.591). Graduate course, MIT, spring 1994 – present.

Psycholinguistics (9.59/24.905). Undergraduate course, MIT, fall 1993 – present. (Co-taught with Ken Wexler 1993-1997.)

Cognitive Science (9.57). Undergraduate course, MIT, fall 1994 – 1997. (Co-taught with Molly Potter.)

Cognitive Science. Independent activities period course, MIT, 1994-1996.

Formal learning theory and language acquisition. Graduate course, MIT, fall 1997. (Co-taught with Ken Wexler and Stefano Bertolo.)

Connectionist models of language. Independent Activities Period, MIT, 1999.

Language and mind. Independent Activities Period, MIT, 2002-2006.

Experiment-based psycholinguistics (9.591). Graduate course, MIT, 2008 – 2011. (Co-taught with Ev Fedorenko in 2008.)

Cognitive Science (9.012). Graduate core course, MIT, 2005 – present.

Lab in psycholinguistics (9.59). MIT, 2014-present

Other Activities

- Canadian National Rowing Team, 1981 (Bronze medal at world championships, lightweight 4-); 1983 (8th at world championships, openweight 8+); 1985 (5th at world championships, openweight 4-).
- Canadian Olympic Rowing Team, 1984 (7th, openweight 4-).
- Cambridge University Blue Boat, 1986. Winner of 1986 Cambridge-Oxford Boat Race by 7 lengths; the only victory by Cambridge in the period 1976-1992.

Papers in Refereed Journals

Google Scholar citations: 13,643; h-index 52; i10-index 114 (Oct 6, 2017)

See tedlab.mit.edu for most of these papers.

2015-now

- Gibson, E., Futrell, R., Jara-Ettinger, J., Mahowald, K., Bergen, L., Ratnasigam, S., Gibson, M., Piantadosi, S.T., and Conway, B.R. (2017). Color naming across languages reflects color use. *Proceedings of the National Academy of Sciences*.
- Gibson, E., Jara-Ettinger, J., Levy, R., & Piantadosi, S.T. (in press). The use of a computer display exaggerates the connection between exact and approximate number ability in remote populations. *Open Mind: Discoveries in Cognitive Science*.
- Gibson, E., Piantadosi, S.T. & Levy, R. (2017). Post-hoc analysis decisions drive the reported reading time effects in Hackl, Koster-Hale & Varvoutis (2012). *Journal of Semantics*, 1-8, doi: 10.1093/jos/ffx001
- Kline, M., Schulz, L. & Gibson, E. (in press). Partial truths: Adults choose to mention agents and patients in proportion to informativity, even if it doesn't fully disambiguate the message. *Open Mind: Discoveries in Cognitive Science*.
- Gibson, E., Tan, C., Futrell, R., Mahowald, K., Konieczny, L., Hemforth, B. & Fedorenko, E. (2017). Don't underestimate the benefits of being misunderstood. *Psychological Science*. <https://doi.org/10.1177/0956797617690277>
- Rubio-Fernandez, P., Jara-Ettinger, J. & Gibson, E. (2017). Can processing demands explain toddlers' performance in false-belief tasks? *Proceedings of the National Academy of Sciences*. Letter to Editor. doi: 10.1073/pnas.1701286114
- Dautriche, I., Mahowald, K., Gibson, E., Christophe, A. & Piantadosi, S. T. (2017). Words cluster phonetically beyond phonotactic regularities. *Cognition*, 163, 128-145. <http://dx.doi.org/10.1016/j.cognition.2017.02.001>
- Dautriche, I., Mahowald, K., Gibson, E., & Piantadosi, S. T. (2016). Wordform Similarity Increases With Semantic Similarity: An Analysis of 100 Languages. *Cognitive Science*: 1-21. doi: 10.1111/cogs.12453.
- Shain, C., van Schijndel, M., Futrell, R., Gibson, E., & Schuler, W. (2016). [Memory access during incremental sentence processing causes reading time latency](#). *Proceedings of the Workshop on Computational Linguistics for Linguistic Complexity*: 49-58. Osaka, Japan.
- Mahowald, K., Graff, P., Hartman, J., & Gibson, E. (2016). SNAP judgments: A small N acceptability paradigm (SNAP) for linguistic acceptability judgments. *Language*, 92(3), 619-635.
- Futrell, R., & Gibson, E. (2016). L2 processing as noisy channel language comprehension. *Bilingualism: Language and Cognition*. doi: 10.1017/S1366728916001061.
- Jouravleva, O., Stearns, L., Bergen, L., Eddy, M., Gibson, E. & Fedorenko, E. (2016). Processing temporal presuppositions: an event-related potential study. *Language, Cognition and Neuroscience*. dx.doi.org/10.1080/23273798.2016.1209531
- Mahowald, K., James, A., Futrell, R., & Gibson, E. (2016). A meta-analysis of syntactic priming in language production. *Journal of Memory and Language*. doi: 10.1016/j.jml.2016.03.009.
- Futrell, R., Stearns, L., Everett, D. L., Piantadosi, S. T., & Gibson, E. (2016). A corpus investigation of syntactic embedding in Pirahã. *PLoS ONE* 11(3): e0145289.

- Jara-Ettinger, J., Piantadosi, S., Spelke, E.S., Levy, R. & Gibson, E. (2016). Mastery of the logic of natural numbers is not the result of mastery of counting: Evidence from late counters. *Developmental Science*.
- Gibson, E., Sandberg, C., Fedorenko, E., Bergen, L. & Kiran, S. (2015). A rational inference approach to aphasic language comprehension. *Aphasiology*, DOI: 10.1080/02687038.2015.1111994
- Singh, R., Fedorenko, E., Mahowald, K., & Gibson, E. (2015). Accommodating presuppositions is inappropriate in implausible contexts. *Cognitive Science*.
- Jara-Ettinger, J., Gibson, E., Kidd, C., & Piantadosi, S. (2015). Native Amazonian children forego egalitarianism in merit-based tasks when they learn to count. *Developmental Science*. DOI: 10.1111/desc.12351
- Futrell, R., Mahowald, K., & Gibson, E. (2015). Large-scale evidence of dependency length minimization in 37 languages. *Proceedings of the National Academy of Sciences*, 112(33), 10336-10341.
- Futrell, R., Hickey, T., Lee, A., Lim, E., Luchkina, E., & Gibson, E. (2015). Cross-linguistic gestures reflect typological universals: A subject-initial, verb-final bias in speakers of diverse languages. *Cognition*, 136, 215-221.

2011-2014

- Yoon, J.M.D., Nathan Witthoft, Jonathan Winawer, Michael C. Frank, Daniel L. Everett, Edward Gibson. (2014). Cultural Differences in Perceptual Reorganization in US and Pirahã Adults. *PLoS ONE*, Published: November 20, 2014, DOI: 10.1371/journal.pone.0110225.
- Gibson, E., Jacobson, P., Graff, P., Mahowald, K., Fedorenko, E. & Piantadosi, S.T. (2014). A pragmatic account of complexity in definite Antecedent-Contained-Deletion relative clauses. *Journal of Semantics*. First published online: July 10, 2014; doi: 10.1093/jos/ffu006
- Piantadosi, S.T., Jara-Ettinger, J. & Gibson, E. (2014). Children's development of number in an indigenous farming-foraging group. *Developmental Science*. 17 (4), 553–563. DOI: 10.1111/desc.12078
- Piantadosi, S.T. & Gibson, E. (2014). Quantitative standards for absolute linguistic universals. *Cognitive Science*. 38 (4), 736-756. DOI: 10.1111/cogs.12088
- Levy, R. Fedorenko, E., & Gibson, E. (2013). The syntactic complexity of Russian relative clauses. *Journal of Memory and Language*, 69(4):461-495.
- Mahowald, K. & Gibson, E. (2013). Short, frequent words are more likely to appear genetically related by chance. *Proceedings of the National Academy of Sciences*. Letter to Editor. doi:10.1073/pnas.1308822110
- Perrachione, T.K., Fedorenko, E., Vinke, L., Gibson, E. & Dilley, L.C. (2013). Evidence for Shared Cognitive Processing of Pitch in Music and Language. *PLoS ONE*, 8(8): e73372. doi:10.1371/journal.pone.0073372.
- Frank, M.C., Tenenbaum, J.C. & Gibson, E. (2013). Learning and long-term retention of large-scale artificial languages. *PLoS ONE*, 8(1): e52500. doi:10.1371/journal.pone.0052500.
- Levy, R. & Gibson, E. (2013). Surprisal, the PDC, and the primary locus of processing difficulty in relative clauses. Response to MacDonald. *Frontiers in Psychology*, 4:229. doi: 10.3389/fpsyg.2013.00229.
- Gibson, E., Piantadosi, S.T., Brink, K., Bergen, L., Lim, E. & Saxe, R. (2013). A noisy-channel account of crosslinguistic word order variation. *Psychological Science*, 24(7), 1079-1088.

- Gibson, E., Bergen, L. & Piantadosi, S.T. (2013). The rational integration of noisy evidence and prior semantic expectations in sentence interpretation. *Proceedings of the National Academy of Sciences U.S.A.*, 110(20), 8051-8056.
- Gibson, E., Piantadosi, S.T. & Fedorenko, E. (2013). Quantitative methods in syntax/semantics research: A response to Sprouse and Almeida (2013). *Language and Cognitive Processes*, 28(3), 229-240.
- Fedorenko, E., Piantadosi, S. & Gibson, E. (2013). The interaction of syntactic and lexical information sources in language processing: The case of the noun-verb ambiguity. *Journal of Cognitive Science*, 13(3), 249-285.
- Mahowald, K., Fedorenko, E., Piantadosi, S.T. & Gibson, E. (2013). Info/information theory: speakers choose shorter words in predictive contexts. *Cognition*, 126, 313-318.
- Fedorenko, E., Woodbury, R. & Gibson, E. (2013). Direct evidence of memory retrieval as a source of difficulty in non-local dependencies in language. *Cognitive Science*, 37(2), 378-394.
- Gibson, E. & Wu, I. (2013). Processing Chinese relative clauses in context. *Language and Cognitive Processes*, 28, 125-155.
- Gibson, E. & Fedorenko, E. (2013). The need for quantitative methods in syntax and semantics research. *Language and Cognitive Processes*, 28, 88-124.
- Brown, M., Savova, V. & Gibson, E. (2012). Syntax encodes information structure: Evidence from on-line reading comprehension. *Journal of Memory and Language*. 66, 194-209.
- Fedorenko, E., Piantadosi, S. & Gibson, E. (2012). Processing relative clauses in supportive contexts. *Cognitive Science*, 36, 471-497.
- Piantadosi, S., Tily, H., & Gibson, E. (2012). The communicative function of ambiguity in language. *Cognition*, 122, 280-291.
- Frank, M.C., Fedorenko, E., Lai, P., Saxe, R. & Gibson, E. (2012). Verbal interference suppresses exact numerical representation. *Cognitive Psychology*, 64, 74-92.
- Levy, R. Fedorenko, E., Breen, M. & Gibson, E. (2012). The processing of extraposed structures in English. *Cognition*, 122, 12-36.
- Breen, M., Dilley, L., Kraemer, J. & Gibson, E. (2012). Inter-transcriber reliability for two systems of prosodic annotation: ToBI (Tones and Break Indices) and RaP (Rhythm and Pitch). *Corpus Linguistics and Linguistic Theory*, 2, 277-312.
- Breen, M., Gibson, E. & Watson, D. (2011). Intonational phrasing is constrained by meaning, not balance. *Language and Cognitive Processes*, 26, 1532-1562.
- Scontras, G. & Gibson, E. (2011). A quantitative investigation of the imperative-and-declarative construction in English. *Language*, 87, 817-829.
- Gibson, E., Piantadosi, S. & Fedorenko, K. (2011). Using Mechanical Turk to Obtain and Analyze English Acceptability Judgments. *Language and Linguistics Compass*. 5(8), 509-524.
- Piantadosi, S.T., Tily, H.J. & Gibson, E. (2011). Reply to Reilly and Kean: Clarifications on word length and information content. *Proceedings of the National Academy of Sciences U.S.A.*
- Piantadosi, S.T., Tily, H.J. & Gibson, E. (2011). Rethinking Zipf: Word length reflects information content. *Proceedings of the National Academy of Sciences U.S.A.*, 108(9), 3526-3529.
- Frank, M.C. & Gibson, E. (2011). Overcoming memory limitations in rule learning. *Language Learning and Development*, 7, 130-148.

2006-2010

- Breen, M., Fedorenko, E., Wagner, M. & Gibson, E. (2010). Acoustic correlates of information

- structure. *Language and Cognitive Processes*, 25(7/8/9), 1044-1098.
- Fedorenko, E. & Gibson, E. (2010). Adding a third wh-element does not increase the acceptability of object-initial multiple-wh-questions. *Syntax*, 13, 183-195.
- Tily, H., Fedorenko, E., & Gibson, E. (2010). The time-course of lexical and structural processes in sentence comprehension. *Quarterly Journal of Experimental Psychology*, 63(5), 910-927.
- Nakatani, K. & Gibson, E. (2010). An on-line study of Japanese nesting complexity. *Cognitive Science*, 34, 94-112.
- Gibson, E. & Fedorenko, E. (2010). Weak quantitative standards in linguistics research. *Trends in Cognitive Science*, 14, 233-234.
- Fedorenko, E., Patel, A., Casasanto, D., Winawer, J. & Gibson, E. (2009). Structural integration in language and music: Evidence for a shared system. *Memory and Cognition*, 37, 1-9.
- Frank, M.C., Everett, D.L., Fedorenko, E. & Gibson, E. (2008). Number as a cognitive technology: Evidence from Pirahã language and cognition. *Cognition*, 108, 819-824.
- Nakatani, K. & Gibson, E. (2008). Distinguishing theories of syntactic expectation cost in sentence comprehension: Evidence from Japanese. *Linguistics*, 46, 43-86.
- Fedorenko, E., Gibson, E. & Rohde, D. (2007). The nature of working memory in linguistic, arithmetic and spatial integration processes. *Journal of Memory and Language*, 56, 246-269.
- Watson, D., Breen, M. & Gibson, E. (2006). The role of syntactic obligatoriness in the production of intonational boundaries. *Journal of Experimental Psychology: Learning, Memory and Cognition*, 32, 1045-1056.
- Fedorenko, E., Gibson, E. & Rohde, D. (2006). The Nature of Working Memory Capacity in Sentence Comprehension: Evidence Against Domain-Specific Working Memory Resources. *Journal of Memory and Language*, 54, 541-553.
- Gibson, E. (2006). The interaction of top-down and bottom-up statistics in the resolution of syntactic category ambiguity. *Journal of Memory and Language*, 54, 363-388.

2001-2005

- Warren, T. & Gibson, E. (2005). Effects of NP type in reading cleft sentences in English. *Language and Cognitive Processes*, 20(6), 751-767.
- Watson, D. & Gibson, E. (2005). Intonational Phrasing and Constituency in Language Production and Comprehension. *Studia Linguistica*, 59, 279-300.
- Wolf, F., & Gibson, E. (2005). Representing discourse coherence: A corpus-based analysis. *Computational Linguistics*, 31, 249-288.
- Gibson, E., Desmet, T., Grodner, D., Watson, D. & Ko, K. (2005). Reading relative clauses in English. *Cognitive Linguistics*, 16, 313-354.
- Grodner, D., Gibson, E. & Watson, D. (2005). The influence of contextual contrast on syntactic processing: Evidence for strong interaction in sentence comprehension, *Cognition*, 95, 275-296.
- Grodner, D. & Gibson, E. (2005). Consequences of the serial nature of linguistic input. *Cognitive Science*, 29, 261-291.
- Chen, E., Gibson, E. & Wolf, F. (2005). Online syntactic storage costs in sentence comprehension. *Journal of Memory and Language*, 52, 144-169.
- Wolf, F., Gibson, E. & Desmet (2004). Discourse coherence and pronoun resolution, *Language and Cognitive Processes*, 19, 665-675.
- Watson, D. & Gibson, E. (2004). The relationship between intonational phrasing and syntactic structure in language production. *Language and Cognitive Processes*, 19, 713-755.

- Gruber, J. & Gibson, E. (2004). Measuring linguistic complexity independent of plausibility. *Language*, 80, 583-590.
- Watson, D. & Gibson, E. (2004). Making Sense of the Sense Unit Condition. *Linguistic Inquiry*, 35, 508-517.
- Gibson, E. & Warren, T. (2004). Reading time evidence for intermediate linguistic structure in long-distance dependencies. *Syntax*, 7, 55-78.
- Hsiao, F. & Gibson, E. (2003). Processing relative clauses in Chinese. *Cognition*, 90, 3-27.
- Desmet, T. & Gibson, E. (2003). Disambiguation Preferences and Corpus Frequencies in Noun Phrase Conjunction. *Journal of Memory and Language*, 49, 353-374.
- Grodner, D., Gibson, E., Argaman, V. & Babyonyshev, M. (2003). Against repair-based reanalysis in sentence comprehension. *Journal of Psycholinguistic Research*, 32, 141-166.
- Warren, T. & Gibson, E. (2002). The influence of referential processing on sentence complexity. *Cognition*, 85, 79-112.
- Roberts, R. & Gibson, E. (2002). Individual differences in sentence memory. *Journal of Psycholinguistic Research*, 31, 573-598.
- Grodner, D., Gibson, E. & Tunstall, S. (2002). Syntactic complexity in ambiguity resolution. *Journal of Memory and Language*, 46, 267-295.
- Pearlmutter, N.J. & Gibson, E. (2001). Recency in verb phrase attachment. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 27, 574-590.

1998-2000

- Gibson, E. & Pearlmutter, N. (2000). Distinguishing serial and parallel parsing. *Journal of Psycholinguistic Research*, 29, 231-240.
- Kaan, E., Harris, A., Gibson, E. & Holcomb, P. (2000). The P600 as an index of syntactic integration difficulty. *Language and Cognitive Processes*, 15, 159-201.
- Gibson, E. & Thomas, J. (1999). Memory limitations and structural forgetting: The perception of complex ungrammatical sentences as grammatical. *Language and Cognitive Processes*, 14, 225-248.
- Babyonyshev, M. & Gibson E. (1999). The complexity of nested structures in Japanese. *Language*, 75, 423-450.
- Miyamoto, E.T., Gibson, E., Pearlmutter, N.J., Aikawa, T., & Miyagawa, S. (1999). A U-shaped relative clause attachment preference in Japanese. *Language and Cognitive Processes*, 14, 663-688.
- Schütze, C. & Gibson, E. (1999). Argumenthood and English Prepositional phrase attachment. *Journal of Memory and Language*, 40, 409-431.
- Gibson, E. & Roberts, R. (1999). Interpretative and post-interpretative processes in sentence comprehension. *Behavioral and Brain Sciences*, 22, 100-101.
- Gibson, E., Pearlmutter, N. & Torrens, V. (1999). Recency and lexical preferences in Spanish. *Memory and Cognition*, 27, 603-611.
- Gibson, E. & Schütze, C. (1999). Disambiguation preferences in noun phrase conjunction do not mirror corpus frequency. *Journal of Memory and Language*, 40, 263-279.
- Gibson, E. (1998). Linguistic complexity: Locality of syntactic dependencies. *Cognition*, 68, 1-76.
- Gibson, E. & Pearlmutter, N. (1998). Constraints on sentence comprehension. *Trends in Cognitive Science*, 2, 262-268.

Patel, A.D., Gibson, E., Ratner, J., Besson, M. & Holcomb, P. (1998). Processing grammatical relations in language and music: An event-related potential study. *Journal of Cognitive Neuroscience*, 10, 717-733.

Before 1998

Phillips, C. & Gibson, E. (1997). The strength of the local attachment preference. *Journal of Psycholinguistic Research*, 26, 323-346.

Gibson, E., Pearlmutter, N., Canseco-Gonzales, E. & Hickok, G. (1996). Recency Preference in the Human Sentence Processing Mechanism. *Cognition*, 59, 23-59.

Gibson, E., Schütze, C. & Salomon, A. (1996). The relationship between the frequency and the complexity of linguistic structure. *Journal of Psycholinguistic Research*, 25, 59-92.

Gibson, E. & Wexler, K. (1994). Triggers. *Linguistic Inquiry*, 25, 407-454.

Gibson, E., Hickok, G. & Schütze, C. (1994). Processing empty categories: A parallel approach. *Journal of Psycholinguistic Research*, 23, 381-406.

Gibson, E. & Hickok, G. (1993). Sentence processing with empty categories. *Language and Cognitive Processes*, 8, 147-161.

Gibson, E. (1992). On the adequacy of the Competition Model. *Language*, 68, 812-830.

Books

Wolf, F. & Gibson, E. (2006). *Coherence in natural language*. MIT Press, Cambridge, MA.

Gibson, E., Wagner, M. & Watson, D. (2010). Special Issue: Experimental and Theoretical Advances in Prosody. *Language and Cognitive Processes*. Volume 25, Issue 7-9.

Gibson, E. & Pearlmutter, N.J. (eds.) (2011). *The processing and acquisition of reference*. MIT Press, Cambridge, MA.

Gibson, E., Wagner, M. & Watson, D. (2015). Special Issue: Experimental and Theoretical Advances in Prosody. *Language and Cognitive Processes*.

Frazier, L. & Gibson, E. (2015). *Prosody and sentence processing*. Springer.

Proceedings of Refereed Conferences

Futrell, R., Mahowald, K., & Gibson, E. (2015). Quantifying word order freedom in dependency corpora. Proceedings of the Third International Conference on Dependency Linguistics: 91–100. Uppsala, Sweden.

Bergen, L., Gibson, E., & O'Donnell, T. J. (2013). Arguments and Modifiers from the Learner's Perspective. *Proceedings of the 51st Annual Meeting of the Association for Computational Linguistics*.

Bergen, L., Levy, R., & Gibson, E. (2012). Verb omission errors: Evidence of rational processing of noisy language inputs. *Proceedings of the 34th Annual Conference of the Cognitive Science Society*.

Troyer, M., O'Donnell, T., Fedorenko, E. & Gibson E. (2011). Storage and computation in syntax: Evidence from relative clause priming. *Proceedings of the 33rd Annual Meeting of the Cognitive Science Society*.

Wagner, M., M. Breen, E. Flemming, S. Shattuck-Hufnagel, and E. Gibson. (2010). Prosodic Effects of Discourse Salience and Association with Focus. *Proceedings of Speech Prosody*.

- Frank, M. C., Fedorenko, E., & Gibson, E. (2008). Language as a cognitive technology: English speakers match like Pirahã when you don't let them count. *Proceedings of the 30th Annual Meeting of the Cognitive Science Society*. (**Winner of the Marr Prize for Best Student Paper.**)
- Brown, M., Savova, V. & Gibson, E. (2008). Syntax and discourse constraints interact at the level of structural representation. *Proceedings of the 30th Annual Meeting of the Cognitive Science Society*.
- Dilley, L., Breen, M., Gibson, E., Bolivar, M., and Kraemer, J. (2006). A comparison of inter-coder reliability for two systems of prosodic transcriptions: RaP (Rhythm and Pitch) and ToBI (Tones and Break Indices). *Proceedings of the International Conference on Spoken Language Processing*. Pittsburgh, PA.
- Wolf, F. & Gibson, E. (2004). Paragraph-, word-, and coherence-based approaches to sentence ranking: A comparison of algorithm and human performance. *Proceedings of the 42nd Annual Meeting of the Association for Computational Linguistics*. Barcelona, Spain.
- Wolf, F., & Gibson, E. (2004). Representing discourse coherence: A corpus-based analysis. *Proceedings of COLING*. Geneva, Switzerland.
- Fedorenko, E., Gibson, E. & Rohde D. (2004). Verbal working memory in sentence comprehension. *Proceedings of the 26th Annual Meeting of the Cognitive Science Society*.
- Fedorenko, E., Babyonyshev, M. & Gibson, E. (2004). The nature of case interference in online sentence processing in Russian. *Proceedings of the 34th North Eastern Linguistics Society Conference*.
- Jones, D.A., Wolf, F., Gibson, E., Williams, E., Fedorenko, E., Reynolds, D.A. & Zissman, M.A. (2003). Measuring the readability of automatic speech-to-text transcripts. *Proceedings of Eurospeech*. Geneva, Switzerland.
- Bertolo, S., Broihier, K., Gibson, E. & Wexler, K. (1997). Cue-based learners in parametric language systems. *Proceedings of the 19th Annual Meeting of the Cognitive Science Society*.
- Bertolo, S., Broihier, K., Gibson, E. & Wexler, K. (1997). Characterizing learnability conditions for cue-based learners in parametric language systems. *Proceedings of the 5th Meeting of the Mathematics of Language – MOL5*.
- Gibson, E. & Thomas, J. (1996). The processing complexity of English center-embedded and self-embedded structures. *Proceedings of the NELS 26 workshop on language processing, MIT working papers in linguistics*. Cambridge, MA.
- Gibson, E. & Loomis, J. (1994). A corpus analysis of recency preference and predicate proximity. *Proceedings of the 16th Annual Meeting of the Cognitive Science Society*.
- Gibson, E. & Wexler, K. (1994). Nominative case assignment and parameter-setting in V2. *Proceedings of the 23rd North Eastern Linguistics Society Conference*. University of Massachusetts, Amherst, MA.
- Gibson, E. & Wexler, K. (1992). Parameter setting, triggers and V2. *Abstracts of the Generative Linguistics of the Old World (GLOW) Conference*. Lisbon, Portugal.
- Gibson, E. (1990). Recency preference and garden-path effects. *Proceedings of the 12th Annual Meeting of the Cognitive Science Society*. (**Winner of the Marr Prize for Best Student Paper.**)
- Gibson, E. (1990). Memory capacity and sentence processing. *Proceedings of the 28th Annual Meeting of the Association for Computational Linguistics*. Pittsburgh, PA.
- Gibson, E. (1990). A computational theory of processing overload and garden-path effects. *Proceedings of the 13th International Conference on Computational Linguistics*. Helsinki, Finland.

- Gibson, E. (1989). Parsing with principles: Predicting a phrasal node before its head appears. *Proceedings of the 1st International Workshop on Parsing Technologies*. Carnegie Mellon University, Pittsburgh, PA.
- Gibson, E. (1989). Subjacency and the minimality condition. *Proceedings of the 19th North Eastern Linguistics Society Conference*. Cornell University, Ithaca, NY.
- Clark, R. & Gibson, E. (1988). A parallel model for adult sentence processing. *Proceedings of the 10th Annual Meeting of the Cognitive Science Society*. McGill University, Montreal, Quebec.
- Gibson, E. & Clark, R. (1988). Positing gaps in a parallel parser. *Proceedings of the 18th North Eastern Linguistics Society Conference*. University of Toronto, Toronto, Ontario.
- Gibson, E. (1988). Garden-path effects in a parser with parallel architecture. *Proceedings of the 4th Eastern States Conference on Linguistics*. The Ohio State University, Columbus, Ohio.

Book Chapters and Technical Reports

- Gibson, E., Tily, H. & Fedorenko, E. (2013). The processing complexity of English relative clauses. In Sanz, M., Laka, I. & Tanenhaus, M. (eds.), *Language Down the Garden Path: The Cognitive and Biological Basis for Linguistic Structure*. Oxford University Press.
- Perfors, A., Tenenbaum, J.B., Gibson, E. & Regier, T. (2010). How recursive is language? A Bayesian exploration. In van der Hulst, H. (ed.), *Recursion and human language* (pp. 159-175). Mouton: DeGruyter.
- Gibson, E. (2003). Linguistic complexity in sentence comprehension. *The Encyclopedia of Cognitive Science* (pp. 1137-1141). MacMillan.
- Wolf, F. & Gibson, E. (2003). Parsing: Overview. *The Encyclopedia of Cognitive Science* (pp. 465-476). MacMillan.
- Gibson, E. (2000). The dependency locality theory: A distance-based theory of linguistic complexity. In Miyashita, Y., Marantz, A., & O'Neil, W. (Eds.), *Image, language, brain* (pp. 95-126), Cambridge, MA: MIT Press.
- Gibson, E. & Broihier, K. (1998). Optimality Theory and human sentence processing. In Barbosa, Fox, D., Hagstrom, P., McGinest, M. & Pesetsky, D. (Eds.), *Is the best good enough?* (pp. 157-192), Cambridge, MA: MIT Press.
- Babyonyshev, M. & Gibson E. (1995). Processing Overload in Japanese. In Schütze, C.T., Ganger, J.B. & Broihier, K. (Eds.), *Papers on language processing and acquisition* (pp. 1-35). MIT working papers in linguistics 26, Cambridge, MA: MIT Press.
- Gibson, E. & Pearlmutter, N. (1994). A corpus-based analysis of psycholinguistic constraints on PP attachment. In Clifton, C., Frazier, L. & Rayner, K. (Eds.), *Perspectives in sentence processing* (pp. 181-198). Hillsdale, NJ: Lawrence Erlbaum.
- Bidirectional Active Chart Parsing. Technical Report CMU-CMT-93-139, Center for Machine Translation, Carnegie Mellon University, Pittsburgh, PA, 1993.
- Dimorph: A Morphological Analyzer. Technical Report CMU-CMT-91-128, Center for Machine Translation, Carnegie Mellon University, Pittsburgh, PA, 1991.
- Bichart: A Bidirectional Active Chart Parser. Technical Report CMU-CMT-91-129 Center for Machine Translation, Carnegie Mellon University, Pittsburgh, PA, 1991.

Refereed conference presentations

- Kyle Mahowald, Peter Graff, Jeremy Hartman, Edward Gibson (2014). SNAP judgments: Small N acceptability paradigm (SNAP) for linguistic judgments. Talk presented at Architectures and Mechanisms for Language Processing (AMLaP) Conference, August, 2014, Edinburgh, UK.
- Isabelle Dautriche, Kyle Mahowald, Edward Gibson, Anne Christophe, Steven Piantadosi. (2014). Lexical clustering in efficient language design. Talk presented at Architectures and Mechanisms for Language Processing (AMLaP) Conference August, 2014, Edinburgh, UK.
- Kyle Mahowald, Phillip Isola, Evelina Fedorenko, Aude Oliva, Edward Gibson. (2014). An information-theoretic account of word memorability. Poster presented at Architectures and Mechanisms for Language Processing (AMLaP) Conference August, 2014, Edinburgh, UK.
- Richard Futrell, Kyle Mahowald, Edward Gibson. (2014). CLIQS: Cross-linguistic investigations in quantitative syntax. Poster presented at Architectures and Mechanisms for Language Processing (AMLaP) Conference August, 2014, Edinburgh, UK.
- Richard Futrell, Tina Hickey, Aldrin Lee, Eunice Lim, Elena Luchkina and Edward Gibson. (2014). A cross-linguistic verb-final bias in gesturing paradigms. Talk presented at the CUNY sentence processing conference, Ohio State University, Columbus, OH.
- Richard Futrell, Kyle Mahowald, Steve Piantadosi and Edward Gibson (2014). Efficient communication forward and backward. Poster presented at the CUNY sentence processing conference, Ohio State University, Columbus, OH.
- Edward Gibson, Polly Jacobson, Peter Graff, Kyle Mahowald, Evelina Fedorenko and Steven Piantadosi (2014). Pragmatic influences on the processing of ACD relative clauses. Poster presented at the CUNY sentence processing conference, Ohio State University, Columbus, OH.
- Gibson, E., Stearns, L., Bergen, L., Eddy, M. & Fedorenko, E. (2013). The P600 indexes rational error correction within a noisy-channel model of human communication. Talk presented at the CUNY Sentence Processing conference, Columbia, SC.
- Gibson, E., Sandberg, C., Fedorenko, E. & Kiran, S. (2013). A rational inference approach to aphasic language comprehension. Talk presented at the CUNY Sentence Processing conference, Columbia, SC.
- Lim, E., Fedorenko, E. & Gibson, E. (2013). Case-marking affects word order: Evidence from the gesture paradigm. Poster presented at the CUNY Sentence Processing conference, Columbia, SC.
- Gibson, E. & Scontras, G. (2013). Working memory and syntactic islands revisited. Poster presented at the CUNY Sentence Processing conference, Columbia, SC.
- Graff, P., Snape, Z., Hartman, J. & Gibson, E. (2013). Theory of mind drives efficient language production. Poster presented at the CUNY Sentence Processing conference, Columbia, SC.
- Mahowald, K., Piantadosi, S.T. & Gibson, E. (2013). Lexical clustering in efficient language design. Poster presented at the CUNY Sentence Processing conference, Columbia, SC.
- Gibson, E., Stearns, L., Bergen, L., Eddy, M. & Fedorenko, E. (2012). The P600 indexes rational error correction within a noisy-channel model of human communication. Poster presented at the Neurobiology of Language Conference. San Sebastian, Spain.
- Gibson, E., Sandberg, C., Fedorenko, E. & Kiran, S. (2012). A noisy-channel account of aphasic language comprehension. Poster presented at the Neurobiology of Language Conference. San Sebastian, Spain.
- Fedorenko, E., Balewski, Z., Gibson, E. & Kanwisher, N. (2012). Sensitivity to syntactic complexity throughout the domain-general “multiple demand” system. Poster presented at the Neurobiology of Language Conference. San Sebastian, Spain.

- Gibson, E. & Bergen, L. (2012). The rational integration of noise and prior semantic expectation: Evidence for a noisy-channel model of sentence interpretation. Poster presented at the CUNY Sentence Processing Conference. New York, NY.
- Bergen, L., Levy, R. & Gibson, E. (2012). Verb Omission Errors: Evidence of Rational Noisy-channel Language Processing. Poster presented at the CUNY Sentence Processing Conference. New York, NY.
- Mahowald, K., Fedorenko, E., Piantadosi, S.T. & Gibson, E. (2012). Info/information theory: speakers actively choose shorter words in predictable contexts. Poster presented at the CUNY Sentence Processing Conference New York, NY.
- Bergen, L. & Gibson, E. (2012). Agreement Errors as Rational Encoding Errors. Poster presented at the 25th annual CUNY sentence processing conference. New York, NY, March, 2012.
- Gibson, E., Piantadosi, S.T., Ichinco, D. & Fedorenko, E. (2012). Evaluating Structural Overlap across Constructions: Inter-Subject Analysis of Co-variation. Talk presented at the Linguistic Society of America, Portland, OR.
- Meyer, M.-C., Fedorenko, E. & Gibson, E. (2012). Contrastive topic intonation: An empirical (re-) evaluation. Talk presented at the Linguistic Society of America, Portland, OR.
- Piantadosi, S.T., Stearns, L., Everett, D. & Gibson, E. (2012). A corpus analysis of Pirahã grammar: An investigation of recursion. Talk presented at the Linguistic Society of America, Portland, OR.
- Gibson, E. & Bergen, L. (2011). Language comprehension via a noisy channel. Poster presented at the Architectures and Mechanisms for Language Processing (AMLaP) conference, Paris, France.
- Gibson, E. & Fedorenko, E. (2011). The domain-generalty of working memory resources for language. Poster presented at the Architectures and Mechanisms for Language Processing (AMLaP) conference, Paris, France.
- Levy, R., Fedorenko, E., Breen, M. & Gibson, E. (2011). Input uncertainty and cue redundancy in syntactic comprehension and adaptation. Poster presented at the Architectures and Mechanisms for Language Processing (AMLaP) conference, Paris, France.
- Gibson, E., Brink, K., Piantadosi, S. & Saxe, R. (2011). Cognitive pressures explain the dominant word orders in language. Talk presented at the CUNY Conference on Human Sentence Processing, Palo Alto CA.
- Fedorenko, E., Tily, H. & Gibson, E. (2011). A comprehensive investigation of animacy effects in relative clauses. Poster presented at the CUNY Conference on Human Sentence Processing, Palo Alto CA.
- Gibson, E., Fedorenko, E., Piantadosi, S. & Gualmini, A. (2011). Inter-subject variability in the ability to use context during comprehension. Poster presented at the CUNY Conference on Human Sentence Processing, Palo Alto CA.
- Fedorenko, E., Woodbury, R. & Gibson, E. (2009). Making the Object Noun Phrase More Easily Retrievable from Memory Facilitates the Processing of Object-Extracted Relative Clauses: Direct Evidence for Memory-Based Accounts. Talk presented at the CUNY Conference on Human Sentence Processing, Davis, CA.
- Piantadosi, S., Tily, H. & Gibson, E. (2009). The Communicative Lexicon Hypothesis. Talk presented at the CUNY Conference on Human Sentence Processing, Davis, CA.
- Troyer, M.L., Fedorenko, E. & Gibson, E. (2009). Production priming of object- and subject-extracted relative clauses. Poster presented at the CUNY Conference on Human Sentence Processing, Davis, CA.

- Patel, P., Grosz, P., Fedorenko, E. & Gibson, E. (2009). Experimental evidence against a strict version of the Formal Link Condition on E-Type Pronouns. Poster presented at the CUNY Conference on Human Sentence Processing, Davis, CA.
- Fedorenko, E., Frank, M. & Gibson, E. (2009). Syntactic complexity effects in jabberwocky sentences. Poster presented at the CUNY Conference on Human Sentence Processing, Davis, CA.
- Piantadosi, S.T. & Gibson, E. (2008). Uniform Information Density In Discourse: A Cross-corpus analysis of syntactic and lexical predictability. Talk presented at the CUNY Conference on Human Sentence Processing, Chapel Hill, NC.
- Jaeger, T.F., Fedorenko, E., Hofmeister, P. & Gibson, E. (2008). Expectation-based Syntactic Processing: Anti-locality outside of Head-final Languages. Talk presented at the CUNY Conference on Human Sentence Processing, Chapel Hill, NC.
- Fedorenko, E. & Gibson, E. (2008). The Relationship Between Lexical and Structural Retrieval in Sentence Comprehension. Paper presented at the CUNY Conference on Human Sentence Processing, Chapel Hill, NC.
- Breen, M., Wagner, M., Fedorenko, E. & Gibson, E. (2008). An Empirical Investigation of the Acoustic Features Associated with Markers of Information Structure. Poster presented at the CUNY Conference on Human Sentence Processing, Chapel Hill, NC.
- Levy, R., Gibson, E. & Fedorenko, E. (2008). Expectation-Based Processing of Extraposed Structures in English. Poster presented at the CUNY Conference on Human Sentence Processing, Chapel Hill, NC.
- Brown, M., Savova, V. & Gibson, E. (2008). The Roles of Information Structure and Animacy in the On-line Comprehension of the Dative Alternation. Poster presented at the CUNY Conference on Human Sentence Processing, Chapel Hill, NC.
- Wu, H.-H. I. & Gibson, E. (2008). Processing Chinese Relative Clauses in Context. Poster presented at the CUNY Conference on Human Sentence Processing, Chapel Hill, NC.
- Breen, M., Wagner, M., Fedorenko, E. & Gibson, E. (2008). Prosody signals focus location, not focus type. Talk presented at the Experimental and Theoretical Advances in Prosody conference, Cornell, NY.
- Fedorenko, E., Patel, A., Casasanto, D., Winawer, J. & Gibson, E. (2007). Structural integration in language and music: A shared system. Talk presented at the CUNY Conference on Human Sentence Processing, San Diego, CA.
- Levy, R., Fedorenko, E. & Gibson, E. (2007). The syntactic complexity of Russian relative clauses. Talk presented at the CUNY Conference on Human Sentence Processing, San Diego, CA.
- Fedorenko, E. & Gibson, E. (2007). The interaction of syntactic and lexical information sources in language processing. Poster presented at the CUNY Conference on Human Sentence Processing, San Diego, CA.
- Fedorenko, E., Badecker, W. & Gibson, E. (2007). Syntactic complexity effects in sentence production. Poster presented at the CUNY Conference on Human Sentence Processing, San Diego, CA.
- Kraemer, J. & Gibson, E. (2007). Ordering constraints on discourse relations. Poster presented at the CUNY Conference on Human Sentence Processing, San Diego, CA.
- Brown, M., Savova, V., Desmet, T. & Gibson, E. (2007). The use of information structure in on-line English sentence comprehension. Poster presented at the CUNY Conference on Human Sentence Processing, San Diego, CA.

- Gibson, E., Fedorenko, E. & Ishizuka, T. (2007). The role of discourse-level and semantic predictability in sentence comprehension. Poster presented at the CUNY Conference on Human Sentence Processing, San Diego, CA.
- Kraemer, J. & Gibson, E. (2007). What syntactic information exists in prosody? Poster presented at the CUNY Conference on Human Sentence Processing, San Diego, CA.
- Fedorenko, E. & Gibson, E. (2007). A working-memory-based account of animacy effects in the processing of relative clauses. Poster presented at the CUNY Conference on Human Sentence Processing, San Diego, CA.
- Breen, M., Dilley, L., Gibson, E., Bolivar, M. & Kraemer, J. (2006). A Comparison of Inter-Transcriber Reliability for Two Systems of Prosodic Annotation: RaP (Rhythm and Pitch) and ToBI (Tones and Break Indices). Talk presented at InterSpeech Conference, Pittsburgh, PA.
- Ishizuka, T., Nakatani, K. & Gibson, E. (2006). Processing Japanese relative clauses in context. Talk presented at the CUNY Conference on Human Sentence Processing, New York, NY.
- Desmet, T., Declercq, M. & Gibson, E. (2006). Priming of syntactic configurational information. Poster presented at the CUNY Conference on Human Sentence Processing, New York, NY.
- Breen, M., Dilley, L., Gibson, E., Bolivar, M. & Kraemer, J. (2006). Advances in prosodic annotation: A test of inter-coder reliability for the RaP (Rhythm and Pitch) and ToBI (Tones and Break Indices) transcription systems. Poster presented at the CUNY Conference on Human Sentence Processing, New York, NY.
- Gibson, E., Fedorenko, E. & Breen, M. (2006). Processing extraposed structures in English: grammatical and processing factors. Poster presented at the CUNY Conference on Human Sentence Processing, New York, NY.
- Jaeger, T.F., Fedorenko, E. & Gibson, E. (2006). Anti-locality effects without sentence-final verbs: Even in English longer distance can cause faster processing. Poster presented at the CUNY Conference on Human Sentence Processing, New York, NY.
- Wagner, M., Kraemer, J. & Gibson, E. (2006). Encoding and Retrieving Syntactic Structure with Prosodic Phrasing. Poster presented at the CUNY Conference on Human Sentence Processing, New York, NY.
- Gibson, E., Breen, M., Rozen, S. & Rohde, D. (2006). Language processing in children as measured using self-paced reading and listening. Talk presented at the workshop on on-line methods in children's language processing, New York, NY.
- Breen, M., Gibson, E. & Watson, D. (2005). Two factors explaining intonational-boundary placement in sentence production. Talk presented at the Architectures and Mechanisms for Language Processing (AMLaP) conference. Ghent, Belgium.
- Hemforth, B., Gibson, E., Desmet, T., Wolf, F. & Bellengier, E. (2005). Interference of discourse topics with the resolution of verbal/event anaphors. Poster presented at the Architectures and Mechanisms for Language Processing (AMLaP) conference. Ghent, Belgium.
- Fedorenko, E. & Gibson, E. (2005). Independence of syntactic storage and syntactic integration costs. Poster presented at the Architectures and Mechanisms for Language Processing (AMLaP) conference. Ghent, Belgium.
- Fedorenko, E., Gibson, E. & Rohde D. (2005). Working memory in sentence comprehension and beyond. Talk presented at the CUNY Conference on Human Sentence Processing, Tucson, AZ.
- Gibson, E., Chen, E. & Reilly, E. (2005). Reading time evidence for ranked parallel models of sentence comprehension. Poster presented at the CUNY Conference on Human Sentence Processing, Tucson, AZ.

- Jaeger, T.F., Fedorenko, E. & Gibson, E. (2005). Dissociation between Production and Comprehension Complexity. Poster presented at the CUNY Conference on Human Sentence Processing, Tucson, AZ.
- Fedorenko, E., Gibson, E. & Rohde D. (2004). Verbal working memory in sentence comprehension. Poster presented at the Annual Meeting of the Cognitive Science Society, Chicago, IL.
- Wolf, F & Gibson, E (2004). Paragraph-, word-, and coherence-based approaches to sentence ranking: A comparison of algorithm and human performance. Talk presented at the workshop "Text summarization branches out" at the 42nd Annual Meeting of the Association for Computational Linguistics. Barcelona, Spain.
- Hale, J. & Gibson, E. (2004). Construction frequency and sentence comprehension. Talk presented at the CUNY Conference on Human Sentence Processing, College Park, MD.
- Fedorenko, E. & Gibson, E. (2004). Processing relative clauses in Russian. Poster presented at the Annual CUNY Conference on Human Sentence Processing, College Park, MD.
- Fedorenko, E., Gibson, E. & Rohde D. (2004). Verbal working memory in sentence comprehension. Poster presented at the CUNY Conference on Human Sentence Processing, College Park, MD.
- Fedorenko, E., Gibson, E. & Babyonyshev, M. (2004). The Bayesian basis for linguistic expectations in language processing. Poster presented at the CUNY Conference on Human Sentence Processing, College Park, MD.
- Grodner, D. & Gibson, E. (2004). The Costs of Maintaining Syntactic Predictions in Ambiguity Resolution. Poster presented at the CUNY Conference on Human Sentence Processing, College Park, MD.
- Gibson, E. & Breen, M. (2004). Processing crossed dependencies in English. Poster presented at the CUNY Conference on Human Sentence Processing, College Park, MD.
- Warren, T., Gibson, E., Jameson, M. & Hirsch, C. (2003). Effects of NP type on reading English clefts. Poster presented at the Architectures and Mechanisms for Language Processing (AMLaP) conference. Glasgow, UK.
- Warren, T., Gibson, E., Jameson, M. & Hirsch, C. (2003). Effects of NP type on reading English clefts. Talk presented at the North Eastern Linguistics Society (NELS) conference. Stony Brook, NY.
- Fedorenko, E., Babyonyshev, M. & Gibson, E. (2003). The Role of Morpho-Syntactic Features in Sentence Processing. Poster presented at the North Eastern Linguistics Society (NELS) conference. Stony Brook, NY.
- Jones, DA, Wolf, F, Gibson, E, Williams, E, Fedorenko, E, Reynolds, DA & Zissman, MA (2003). Measuring the readability of automatic speech-to-text transcripts. Poster presented at Eurospeech, Geneva, Switzerland.
- Gruber, J. & Gibson, E. (2003). Measuring linguistic complexity independent of plausibility: A study of externally- vs. internally-caused change-of-state verbs. Poster presented at the CUNY Conference on Human Sentence Processing, Cambridge, MA.
- Nakatani, K. & Gibson, E. (2003). An on-line study of Japanese nesting complexity. Poster presented at the CUNY Conference on Human Sentence Processing, Cambridge, MA.

- Hsiao, F. & Gibson, E. (2003). Processing relative clauses in Chinese. Poster presented at the CUNY Conference on Human Sentence Processing, Cambridge, MA.
- Ishizuka, T., Nakatani, K. & Gibson, E. (2003). Relative clause extraction complexity in Japanese. Poster presented at the CUNY Conference on Human Sentence Processing, Cambridge, MA.
- Wolf, F., Desmet, T. & Gibson, E. (2003). The influence of coherence relations on processing pronouns. Poster presented at the CUNY Conference on Human Sentence Processing, Cambridge, MA.
- Watson, D. & Gibson, E. (2003). To Attach or Not to Attach: Intonational Phrase Boundaries in Parsing. Poster presented at the CUNY Conference on Human Sentence Processing, Cambridge, MA.
- Rohde, D. & Gibson, E. (2003). The on-line processing of active and passive structures in English. Poster presented at the CUNY Conference on Human Sentence Processing, Cambridge, MA.
- Desmet, T. & Gibson, E. (2002). Comprehension Complexity and Corpus Frequencies in Noun Phrase Conjunction. Poster presented at the CUNY Conference on Human Sentence Processing, New York, NY.
- Chen, E., Wolf, F. & Gibson, E. (2002). Syntactic storage costs in sentence comprehension. Poster presented at the 15th Annual CUNY Conference on Human Sentence Processing, New York, NY.
- Grodner, D., Gibson, E. & Argaman, V. (2002). Against repair-based reanalysis. Talk presented at the CUNY Conference on Human Sentence Processing, New York, NY.
- Warren, T. & Gibson, E. (2002). Head-based vs. Constituent-based Distance. Poster presented at the 15th Annual CUNY Conference on Human Sentence Processing, New York, NY.
- Watson, D. & Gibson, E. (2002). When Does Prosody Influence Parsing? Poster presented at the CUNY Conference on Human Sentence Processing, New York, NY.
- Watson, D. & Gibson, E. (2001). The relationship between linguistic structure and prosodic structure in sentence processing. Poster presented at the Prosody in Processing International Workshop, Utrecht.
- Watson, D. & Gibson, E. (2001). Linguistic structure and intonational phrasing. Talk presented at the CUNY Conference on Human Sentence Processing, Philadelphia, PA.
- Warren, T. & Gibson, E. (2000). A discourse basis for sentence complexity. Poster presented at the Architectures and Mechanisms for Language Processing (AMLaP) conference, Leiden.
- Grodner, D., Watson, D. & Gibson, E. (2000). Locality Effects on Sentence Processing. Talk presented at the CUNY Conference on Human Sentence Processing, San Diego, CA.
- Babyonyshev, M., Gibson, E. & Kaan, E. (2000). The use of syntactic and plausibility information in sentence reanalysis. Poster presented at the CUNY Conference on Human Sentence Processing, San Diego, CA.
- Watson, D. & Gibson, E. (2000). Predicates as a measure of distance in sentence complexity. Poster presented at the CUNY Conference on Human Sentence Processing, San Diego, CA.
- Nakatani, K., Babyonyshev, M. & Gibson, E. (2000). The complexity of nested structures in Japanese. Poster presented at the CUNY Conference on Human Sentence Processing, San Diego, CA.
- Warren, T. & Gibson, E. (2000). Effects of discourse status on reading times: Implications for quantifying distance in a locality based theory of linguistic complexity. Poster presented at the CUNY Conference on Human Sentence Processing, San Diego, CA.

- Warren, T. & Gibson, E. (1999). The effects of discourse status on intuitive complexity: Implications for quantifying distance in a locality-based theory of linguistic complexity. Poster presented at the CUNY Conference on Human Sentence Processing.
- Gibson, E. & Tunstall, S. (1999). The parser need not keep track of contingent frequencies: A lexical account of the English determiner/complementizer ambiguity. Poster presented at the CUNY Conference on Human Sentence Processing.
- Gibson, E. & Ko, K. (1998). An integration-based theory of computational resources in sentence comprehension. Talk presented at the Architectures and Mechanisms in Language Processing conference, Freiburg, Germany.
- Kaan, E., Harris, A., Gibson, E. & Holcomb, P. (1998). The P600 as an index of syntactic integration difficulty. Talk presented at the Architectures and Mechanisms in Language Processing conference, Freiburg, Germany.
- Sauerland, U. & Gibson, E. (1998). How to predict the relative clause attachment preference. Talk presented at the CUNY Conference on Human Sentence Processing, New Brunswick, NJ.
- Gibson, E., Babyonyshev, M. & Kaan, E. (1998). Sentence reanalysis: Generalized incremental processing within a parallel processing framework. Poster presented at the CUNY Conference on Human Sentence Processing, New Brunswick, NJ.
- Gibson, E. & Warren, T. (1997). Discourse reference and syntactic complexity. Talk presented at the Architectures and Mechanisms in Language Processing conference, Edinburgh, U.K.
- Kaan, E. & Gibson, E. (1997). Mechanisms of closure. Poster presented at the Architectures and Mechanisms in Language Processing conference, Edinburgh, U.K.
- Schütze, C. & Gibson, E. (1997). Argumenthood and the PP Attachment Ambiguity in English. Talk presented at the Architectures and Mechanisms in Language Processing conference, Edinburgh, U.K.
- Bertolo, S., Broihier, K., Gibson, E. & Wexler, K. (1997). Characterizing learnability conditions for cue-based learning in parametric language systems with an application to a parsing-based cue-learner. Talk presented at the GLOW colloquium, Rabat, Morocco.
- Gibson, E. (1997). Syntactic complexity: Locality of syntactic dependencies. Talk presented at the CUNY Conference on Human Sentence Processing, Santa Monica, CA.
- Gibson, E., Pearlmuter, N. & Torrens, V. (1997). Recency and Predicate Proximity in Sentence Comprehension. Poster presented at the CUNY Conference on Human Sentence Processing, Santa Monica, CA.
- Babyonyshev, M. & Gibson, E. (1997). Case Interference as a Source of Processing Complexity in Russian. Poster presented at the CUNY Conference on Human Sentence Processing, Santa Monica, CA.
- Rhee, J., Hagstrom, P. & Gibson, E. (1997). Dependency Locality Theory in Korean. Poster presented at the CUNY Conference on Human Sentence Processing, Santa Monica, CA.
- Gibson, E., Grodner, D. & Tunstall, S. (1997). Evidence for a syntactic complexity metric in ambiguity resolution independent of lexical effects. Poster presented at the CUNY Conference on Human Sentence Processing, Santa Monica, CA.
- Phillips, C. & Gibson, E. (1997). Local Attachment and Competing Constraints. Poster presented at the CUNY Conference on Human Sentence Processing, Santa Monica, CA.
- Percus, O., Gibson, E. & Tunstall, S. (1997). Antecedenthood and the evaluation of quantifiers. Poster presented at the CUNY Conference on Human Sentence Processing, Santa Monica, CA.
- Roberts, R., Hooker, C. & Gibson, E. (1997). Sentence memory capacity and working memory. Poster presented at the CUNY Conference on Human Sentence Processing, Santa Monica, CA.

- Babyonyshev, M. & Gibson, E. (1996). Self-embedded structures in Japanese and English processing. Talk presented at the CUNY Conference on Human Sentence Processing, New York, NY.
- Phillips, C. & Gibson, E. (1996). The strength of the local attachment preference. Talk presented at the CUNY Conference on Human Sentence Processing, New York, NY.
- Patel, A.D., Gibson, E., Ratner, J., Besson, M., Holcomb, P. (1996). Examining the specificity of the P600 ERP component to syntactic incongruity in language: A comparative event-related potential study of structural incongruity in language and music. Talk presented at the CUNY Conference on Human Sentence Processing conference, New York, NY.
- Gibson, E. & Schütze, C. (1996). The relationship between the frequency and the perceived complexity of conjunction attachments: On-line evidence. Poster presented at the CUNY Conference on Human Sentence Processing, New York, NY.
- Schütze, C. & Gibson, E. (1996). Argument preference in English PP attachment. Talk presented at the Linguistic Society of America, San Diego, CA.
- Thomas, J. & Gibson, E. (1995). Testing theories of center-embedded complexity: Some experimental evidence. Poster presented at the CUNY Conference on Human Sentence Processing, Tucson, AZ.
- Gibson, E. & Wexler, K. (1992). Triggers and Parameter Setting. Talk presented at the West Coast Conference on Formal Linguistics, Los Angeles, CA.
- Gibson, E. (1991). A Computational Treatment of Processing Overload. Talk presented to the CUNY Conference on Human Sentence Processing, University of Rochester, Rochester, NY.
- Gibson, E. (1990). Memory Capacity and Sentence Processing. Talk presented at the Government Binding Parsing Workshop, University of Geneva, Geneva, Switzerland.

Invited Talks at Conferences and Workshops

- Keynote speaker, Workshop on Computational Models of Language in Context, CSLI, Stanford, September, 2017
- Keynote speaker, ExLing: International Conferences of Experimental Linguistics, Crete, Greece, June, 2017
- Keynote speaker, The Science of Consciousness, Shanghai China, June 6-10, 2017
- Keynote speaker, Annual Conference on Advances in Cognitive Systems, Rensselaer Polytechnic Institute, May 12-14, 2017.
- Keynote speaker at the BAULT symposium, University of Helsinki, Helsinki, Finland, December 1, 2016.
- TedX talk, Harvard, September 2016. <https://www.youtube.com/watch?v=IN7IoD9udMs>
- Invited lecturer, CLASP, University of Gothenburg, Sweden, September, 2016.
- Invited researcher, Brain & Language Research Institute, Aix-en-Provence, France, June-July, 2016.
- Keynote speaker at Workshop in language complexity, Brain & Language Research Institute, Aix-en-Provence, France, June 28, 2016.
- Keynote speaker at the Psycholinguistics in Flanders (PiF) conference, University of Antwerp, May 25, 2016.
- Invited speaker at the Names Not Numbers conference, Oxford, September 27-29, 2015.
<http://namesnotnumbers.com/index.php>

- Keynote speaker at the 6th International Conference for Cognitive Science Studies (ICSS), Tehran, Iran, April 27-29, 2015.
- Keynote speaker at the Workshop “Data mining and its use and usability for linguistic analysis”, Saarbruecken, Germany, April 17, 2015.
- Keynote speaker at the 12th Philippines Linguistics Congress, Manila, University of the Philippines, Diliman, November 26-28, 2014.
- Invited speaker at the Princeton Language Processing Workshop, October 11-12, 2014.
- Keynote speaker at the 25th International Conference on Computational Linguistics (COLING), Dublin, Ireland, August, 2014.
- Keynote speaker at the Cognitive Modeling and Computational Linguistics (CMCL-2014), Association for Computational Linguistics, June, 2014.
- Invited speaker at the workshop “Understanding Acceptability Judgments”, University of Potsdam, September 2013.
- A debate with Colin Phillips (U Maryland) on the topic of “The Scope and Limits of Chomsky's Contribution to the Study of Language”, Association for Psychological Science annual meeting, April 2013.
- Invited course, University of Paris Diderot, September-December 2012.
- Invited speaker at a workshop on anaphora resolution, University of Paris, October 2012.
- Invited speaker at a workshop on typology, University of Paris, November 2012.
- Keynote speaker, CogFest, Ohio State University, June 2012.
- Invited speaker at the workshop “Hybrid Cultures and Languages”, Microsoft, November 2011.
- Invited speaker at the workshop “Neuromarketing: Advertising as a Neurocultural Design Problem”, DARPA (Tampa, FL), April 2010.
- Invited lecturer, Freiburg Institute for Advanced Studies, 2009.
- Keynote speaker at a workshop on language processing, Utrecht University, June 2009.
- Invited speaker at a workshop on working memory and language, University of York (UK), April 2009.
- Invited speaker, Language and Psychophysics session of Fechner Day, the 25th Annual Conference of the International Society for Psychophysics, Galway, Ireland, September 2009.
- Invited speaker, Simons Foundation on Autism Research, New York, September 2008.
- Invited lecturer, Summer School in Linguistics GLOW, Barcelona, Spain, Summer 2008.
- Keynote speaker, Natural Language and Data Base conference, London, UK, June 2008.
- Invited speaker at a workshop on semantics in language processing, Berlin, Germany, December 2007.
- Invited speaker at a workshop on processing head-final languages, Leipzig, Germany, December 2007.
- Invited speaker at a workshop on relative clauses, Cambridge UK, September 2007.
- Invited lecturer, Summer Linguistic Institute, Stanford University, July 2007.
- Invited speaker at a workshop on recursion, Illinois State University, April 2007.
- Invited speaker at the Association for Computational Linguistics workshop “Constraints on language processing”, Sydney, July 2006.
- Invited speaker at the workshop “Optimality Theory and Sentence Processing”, Nijmegen, June 2006.
- Invited course, Summer Linguistic Institute at MIT/Harvard, Summer 2005.
- Invited speaker at the third Hopkins Workshop on Language (HOWL), Johns Hopkins University, January 2005.

Invited course on language processing, École Normale Supérieure Paris, September 2004.
Invited speaker at the workshop “Anaphor resolution in sentence comprehension”, CNRS Aix-en-Provence, June 2004.
Invited speaker at the workshop “The architecture of sentence and discourse comprehension”, the F.C. Donders Centre for Cognitive Neuroimaging, Nijmegen, August 2003.
Invited speaker at the workshop “Working memory and sentence comprehension”, Saarland University, Saarbruecken, July 2003.
Invited speaker at the workshop “Theoretical and experimental linguistics,” the Utrecht Institute of Linguistics OTS, Utrecht, June 2003.
Invited speaker at the conference “Semantic Role Universals”, Max Planck Institutes of Cognitive Neuroscience and Evolutionary Anthropology, Leipzig, December 2002.
Invited speaker at the conference “From parsing to discourse interpretation: Crossing the borders”, the Utrecht Institute of Linguistics OTS, Utrecht, July 2001.
Invited speaker at the second “Image, Language, Brain” symposium, Tokyo, November 2000.
Invited speaker at the 12th CUNY Conference on Human Sentence Processing, New York, NY, March 1999.
Invited speaker at the first “Image, Language, Brain” symposium, Tokyo, November 1998.
Invited course, the University of Freiburg, May 1998.
Invited speaker at the Computational Psycholinguistics conference, University of California Berkeley, August 1997.
Invited speaker at a workshop on computational models of human syntactic processing, Wassenaar, June 1996.
Invited speaker at the Maryland Mayfest 96 “Linguistics and psycholinguistics in East Asian languages”, May 1996.
Invited speaker at the 23rd meeting of the Berkeley Linguistics Society, parasession on learnability of human language, February 1996.
Invited speaker at the North Eastern Linguistics Society workshop on sentence processing, October 1995.
Invited speaker at the Maryland Mayfest 95 “Formal approaches to language learnability”, May 1995.
Invited speaker at the workshop “Optimality in Syntax”, MIT, May 1995.
Invited speaker at the mini-conference “Cognitive and Linguistic Universals: Computational Perspectives on Learning and Processing”, Princeton University, June 1994.
Invited course “Lisp for Linguists”, the Summer Linguistic Institute, Ohio State University, 1993.
Invited speaker at the 6th Annual CUNY Conference on Human Sentence Processing, Amherst, MA, March 1993.

Invited colloquia / talks at universities

MIT (1989, 1991, 1992), University of Ottawa (1991), Queen's University (1991), University of Toronto (1991, 2014, 2015), Carnegie Mellon University (1992, 1996), University of Massachusetts at Amherst (1993, 1996, 2013), University College London (1996, 2006, 2008, 2010), Cambridge University (1996, 2006), Brown University (1996, 2001), University of Pittsburgh (1997), City University of New York (1997, 2002, 2003, 2010), Princeton University (1997, 2008, 2014), University of Maryland (1997), Rutgers University (1997, 2000), Yale University (1998, 2001), University of California Irvine (1998), University of California San

Diego (1998, 2015), University of California Berkeley (1998), University of California Los Angeles (1998), University of Freiburg (1998, 2002, 2009), University of Saarbruecken (1998, 2003), University of Pennsylvania (2000), University of Connecticut (2000), Stanford University (2000, 2006, 2007), Johns Hopkins University (2001, 2003), SUNY Buffalo (2002), Rice University (2002), CNRS Aix-en-Provence (2003, 2005, 2012), Syracuse University (2003), University of Texas, Austin (2005), Ghent University (2006, 2009), Tufts (2008, 2013), Swarthmore College (2008), University of Hawaii Manoa (2009), Boston University (2009), McGill University (2009, 2013), University of Utrecht (2009), CNRS Paris (2009), Cornell University (2010), École Normale Supérieure, Paris (2010, 2012), Harvard University (2011, 2013), University of South Carolina (2011), University of Oregon (2012), University of Indiana (2012), University of Paris, Diderot (2012), Université Lyon 2 (2012), Max Planck, Nijmegen (2012), University of Potsdam (2012, 2013), CNRS Marseille (2012), University of Pittsburgh (2013), McMaster University (2013), Brock University (2013), Rensselaer Polytechnic Institute (2014), Microsoft (2001, 2014), University of Washington (2014), University of Edinburgh (2015), University of Memphis (2015), Northwestern University (2015), Oxford University (2016), Boğaziçi University, Istanbul (2016), CLASP program, University of Gothenburg, Sweden (2016)