

CURRICULUM VITAE

Kathleen M. Eberhard

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EDUCATION

Ph.D.: 1993, Michigan State University
East Lansing, MI
Major: Cognitive Psychology

M.A.: 1991, Michigan State University
East Lansing, MI
Major: Cognitive Psychology

B.A.: 1987 (Cum Laude), University of Rochester
Rochester, NY
Major: Psychology

PROFESSIONAL POSITIONS

6/07 – present: Associate Professor of Psychology
University of Notre Dame, Notre Dame, IN

8/96 – 5/07: Assistant Professor of Psychology
University of Notre Dame, Notre Dame, IN

7/93 - 7/96: Postdoctoral Researcher
Department of Brain and Cognitive Sciences
University of Rochester, Rochester, NY

RESEARCH

I. Publications

- Ashenfelter, K. T.* & Eberhard, K. M. (2007). Effects of verb complexity on speech errors. *Memory & Cognition*, 35, 1525-1539.
- Bock, K., Butterfield, S., Cutler, A., Cutting, J. C., Eberhard, K. M., & Humphreys, K. R. (2006). Disagreeing to Agree Collectively. *Language*, 82, 64-113.
- Eberhard, K. M., Cutting, J. C., & Bock, K. (2005). Making syntax of sense: Number agreement in sentence production. *Psychological Review*, 112, 531-559.
- Eberhard, K. M., Scheutz, M., & Heilman, M.** (2005). An empirical and computational test of linguistic relativity. In B. B. Bara, L. Barsalou, & M. Buccarelli (Eds.), *Proceedings of the 27th Annual Cognitive Science Society Conference* (pp. 618-623). Stresa, Italy. Mahwah, N.J.: Lawrence Erlbaum Associates, Inc.
- Gibson, B. S., Eberhard, K. M., & Bryant, T. A. (2005). Linguistically mediated visual search: The critical role of speech rate. *Psychonomic Bulletin & Review*, 12, 276-281.
- Scheutz, M., Eberhard, K., & Andronache, V. (2004). A real-time embodied model of human reference resolution using visual constraints. *Connection Science*, 16, 145-167.
- Bock, K., Eberhard, K. M., & Cutting, J. C. (2004). Producing pronoun number. *Journal of Memory and Language*, 51, 159-323.
- Scheutz, M. & Eberhard, K. (2004). Effects of morphosyntactic gender features in bilingual language processing. *Cognitive Science*, 28, 559-588.
- Scheutz, M., Eberhard, K., & Targowski, K.* (2003). Interactive processing of morphosyntactic features in the bilingual lexicon. In R. Altermann & D. Kirsch (Eds.) *Proceedings of the 25th Annual Conference of the Cognitive Science Society*, Mahwah, NJ: LEA.
- Spivey, M. J., Tanenhaus, M. K., Eberhard, K. M., & Sedivy, J. C. (2002) Effects of visual context in the resolution of temporary syntactic ambiguities in spoken language comprehension. *Cognitive Psychology*, 45, 447-481.
- Chambers, C. G., Tanenhaus, M. K., Eberhard, K. M., Filip, H., & Carlson, G. N. (2002). Circumscribing referential domains in real-time language comprehension. *Journal of Memory and Language*, 47, 30-49.
- Eberhard, K.M. (2001). Watching speakers formulate unambiguous referential expressions. In the *Proceedings of the 2nd Annual Language and Space Workshop*.
- Bock, K., Eberhard, K. M., Cutting, J. C., Meyer, A. S., & Schriefers, H. (2001). Some attractions of verb agreement. *Cognitive Psychology*, 43, 83-128.
- Peterson, R. R., Burgess, C., Dell, G., & Eberhard, K. (2001). Dissociation between syntactic and semantic processing during idiom comprehension. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 27, 1223-1237.
- Spivey, M., Tyler, M., Eberhard, K., & Tanenhaus, M. (2001). Linguistically guided visual search. *Psychological Science*, 12, 282-286.
- Eberhard, K. M. (1999). The effect of conceptual number on the production of subject-verb agreement in English. *Journal of Memory and Language*, 41, 147-164.
- Eberhard, K.M. (1997). The marked effect of number on subject-verb agreement in English. *Journal of Memory and Language*, 36, 147-164.
- Eberhard, K., Madden, C., & Zahn, K. (1997). The use of metrical prosody to segment continuous speech. In M. G. Shafto & P. Langley (Eds.), *Proceedings of the Nineteenth Annual Conference of the Cognitive Science Society*. Mahwah, NJ: LEA Associates.

- Spivey-Knowlton, M., Tanenhaus, M., Eberhard, K., & Sedivy, J. (1997). Integration of visuospatial and linguistic information: Language comprehension in real-time and real-space. (pp. 201-214) In P. Olivier & K. Gapp (Eds.), *Representations and Processing of Spatial Expressions*. Mahwah: LEA.
- Tanenhaus, M.K., Spivey-Knowlton, M., Eberhard, K., & Sedivy, J. (1996). Using eye-movements to study spoken language comprehension: Evidence for visually-mediated incremental interpretation. In T. Inuie & J.L. McClelland (Eds.), *Attention and Performance XVI: Integration in Perception and Communication*. (pp. 457-478) Boston: The MIT Press.
- Tanenhaus, M.K., Spivey-Knowlton, M.J., Eberhard, K.M., Sedivy, J.C., Allopenna, P.D., & Magnuson, J.S. (1996). Eye movements and spoken language comprehension. In the *Proceedings of the 34th Annual Meeting of the Association for Computational Linguistics*.
- Spivey-Knowlton, M. & Eberhard, K.M. (1996). The future of modularity (pp. 39-40). In G.W. Cottrell (Ed.), *Proceedings of the 18th Annual Conference of the Cognitive Science Society*. Mahwah, NJ: LEA Associates.
- Eberhard, K.M., Spivey-Knowlton, M.J., Sedivy, J.C., & Tanenhaus, M.K. (1995). Eye movements as a window into real-time spoken language comprehension in natural contexts. *Journal of Psycholinguistic Research*, 24, 409-436.
- Tanenhaus, M.K., Spivey-Knowlton, M.J., Eberhard, K.M., & Sedivy, J.C. (1995). Integration of visual and linguistic information in spoken language comprehension. *Science*, 268, 1632-34.
- Sedivy, J.C., Tanenhaus, M.K., Eberhard, K., Spivey-Knowlton, M., & Carlson, G.N. (1995). Using intonationally-marked presuppositional information in on-line language processing: Evidence from eye-movements to a visual model. In J.D. Moore & J.F. Lehman (Eds.), *Proceedings of the Seventeenth Annual Conference of the Cognitive Science Society* (pp. 375-380). Mahwah, NJ: LEA Associates.
- Spivey-Knowlton, M., Tanenhaus, M., Eberhard, K., & Sedivy, J. (1995). Eye movements accompanying language and action in visual context: Evidence against modularity. In J.D. Moore & J.F. Lehman (Eds.), *Proceedings of the Seventeenth Annual Conference of the Cognitive Science Society* (pp. 25-30). Mahwah, NJ: LEA Associates.
- Spivey-Knowlton, M., Sedivy, J., Eberhard, K., & Tanenhaus, M. (1994). Psycholinguistic study of the interaction between language and vision. *Proceedings of the AAI-94 Workshop on the Integration of Natural Language and Vision Processing*.
- Eberhard, K.M. (1994). Phonological inhibition in auditory word recognition. In D. Dagenbach & T.H. Carr (Eds.), *Inhibitory Processes in Attention, Memory, and Language* (pp. 383-407). San Diego, CA: Academic Press.
- Bock, K. & Eberhard, K.M. (1993). The meaning, sound, and syntax of English number agreement. *Language and Cognitive Processes*, 8, 57-99.
- *Graduate research assistant, **Undergraduate research aid

II. Invited Colloquia and Conference Presentations

- June 2007 *Using Final Cut Express, Quicktime™, and Praat to annotate multi-modal data from digitized video media*. 2007 Multimodal Annotation Tools (End User) Workshop. Northwestern University, Evanston, IL.
- May, 2001 *Investigating the effects of linguistic and situational factors on formulating unambiguous referential expressions*. Austrian Society for Cognitive Science, University of Austria, Vienna, Austria.

- November 1998 *Watching Speaking: Using Eye Movements to Investigate Language Production.* Paper presented at the 28th Annual Meeting of the Society for Computers in Psychology, Dallas, TX
- May 1998 *Watching Speakers Speak: Using Eye Movements to Study Spoken Language Production.* Paper presented at the 70th Annual Meeting of the Midwestern Psychological Association, Chicago, Ill.
- April 1997 *Watching Listeners Comprehend: Using Eye Movements to Study Real-Time Language Processing.* Indiana University, South Bend, IN
- June 1996 *Watching Listeners Understand Sentences: Using Eye Movements to Measure On-Line Spoken Language Processing.* Max-Planck-Institut für Psycholinguistik, Nijmegen, The Netherlands
- December 1994 *The Marked Effect of Number on Subject-Verb Agreement.* University of Rochester
- October 1993 *Subject-Verb Agreement Errors in Language Production: Do They Result From Mere Carelessness?* Lehigh University, Bethlehem, PA

III. Presentations at Professional Meetings

- Eberhard, K. M., Boyd, S.,* Larson, C.**, Kennelly, C.**, Feldman, A.,** & Linn, C.** (August, 2006). Speakers' monitoring of their addressee's understanding during the telling of a narrative. Poster presented at the *Third International Workshop on Language Production*, Northwestern University, Chicago, IL.
- Eberhard, K. M., Scheutz, M., & Heilman, M.** (July, 2005). An empirical and computational test of linguistic relativity. Presentation at the *27th Annual Cognitive Science Society Conference*, Stresa, Italy.
- Targowski-Ashenfelter, K.** & Eberhard, K. (2004). Semantic complexity and language production: Simple vs. complex verbs. Poster presented at the *26th Annual Conference of the Cognitive Science Society*, Chicago, IL.
- Bock, K., Eberhard, K. M. & Cutting, J. C. (November, 2003). Making sense of syntax. Paper presented at the *44th Annual Meeting of the Psychonomic Society*, Vancouver.
- Gibson, B. S., & Eberhard, K. M. (2002). Linguistic control of visual search. Paper presented at the *43rd Annual Meeting of the Psychonomic Society*, Kansas City, MO.
- Eberhard, K. M., Scheutz, M., Targowski,* K., & Spies**, J. (2002). The effects of gender associations in one's native language on the processing of word representations in a second language: Evidence for interactive processing of lexical representations in bilingual memory. Poster presented at the *15th Annual CUNY Sentence Processing Conference*, CUNY Graduate School, New York.
- Scheutz, M., Eberhard, K. & Ryan-Scheutz, C. (2002). *German Gender Markers: A Problem for English Vocabulary Acquisition?* Paper presented at the *Form-Meaning Connections in Second Language Acquisition Conference*, Chicago, IL.

- Eberhard, K. M., (June, 2001). Watching speakers formulate unambiguous referential expressions. Paper presented at *The 2nd Annual Language and Space Workshop: Defining Functional and Spatial Features*. University of Notre Dame, Notre Dame, IN.
- Potter, J. K.** & Eberhard, K. M. (March, 1999). Number accessibility and verb agreement: Examining the influence of conceptual information during grammatical encoding. Poster presented at the *12th Annual CUNY Sentence Processing Conference*. CUNY Graduate School and University Center.
- Chambers, C., Tanenhaus, M., Eberhard, K. (March, 1998). Real-time Interpretation Refers to Real Worlds. Paper presentation at the *11th Annual CUNY Sentence Processing Conference*. Rutgers University.
- Eberhard, K.M., Madden**, C., Zahn**, C. (August, 1997). The use of metrical prosody to segment continuous speech. Poster presented at the *19th Annual Conference of the Cognitive Science Society*, Stanford, CA.
- Eberhard, K.M. (November, 1996). Conceptual accessibility and its control of syntactic processing in sentence production. Poster presented at the *37th Annual Meeting of the Psychonomic Society*, Chicago, IL.
- Tanenhaus, M.K., Spivey-Knowlton, M.J., Eberhard, K.M., Sedivy, J.C., Allopenna, P.D., & Magnuson, J.S. (March, 1996). Eye movements and spoken language comprehension. Paper presented at the *34th Annual Meeting of the Association for Computational Linguistics*, Santa Cruz, CA.
- Spivey-Knowlton, M. & Eberhard, K.M. (July, 1996). The future of modularity. Paper presented at the *18th Annual Conference of the Cognitive Science Society*, San Diego, CA.
- Eberhard, K.M., Spivey-Knowlton, M.J., Sedivy, J., & Tanenhaus, M.K. (November, 1995). Reference resolution in real-world contexts. Paper presented at the *36th Annual Meeting of the Psychonomic Society*, Los Angeles, CA.
- Eberhard, K., Tanenhaus, M., Spivey-Knowlton, M., & Sedivy, J. (March, 1995). Investigating the time course of establishing reference: Evidence for rapid incremental processing. Paper presented at the *Eighth Annual CUNY Sentence Processing Conference*, Tucson, AZ.
- Sedivy, J., Tanenhaus, M., Spivey-Knowlton, M., & Eberhard, K. (March, 1995). The role of contrastive intonation in on-line reference resolution. Poster presented at the *Eighth Annual CUNY Sentence Processing Conference*, Tucson, AZ.
- Spivey-Knowlton, M., Tanenhaus, M., Sedivy, J., & Eberhard, K. (March, 1995). Visual/situational context overrides local preference in PP-attachment ambiguity. Paper presented at the *Eighth Annual CUNY Sentence Processing Conference*, Tucson, AZ.
- Eberhard, K.M., Bock, K., & Griffin, Z. (November, 1994). Interference from phonologically primes in spoken word production. Paper presented at the *35th Annual Meeting of the Psychonomic Society*, St. Louis, MO.
- Tanenhaus, M.K., Spivey-Knowlton, M., Eberhard, K.M., & Sedivy, J. (November, 1994). Using eye-movements to monitor spoken language comprehension. Paper presented at the *35th Annual Meeting of the Psychonomic Society*, St. Louis, MO.
- Tanenhaus, M., Spivey-Knowlton, M., Eberhard, K., & Sedivy, J. (March, 1994). Exploring the language-vision interface: Using eye movements to monitor spoken language comprehension in visual contexts. Paper presented at the *Seventh Annual Meeting of the CUNY Sentence Processing Conference*, New York, NY.
- Bock, K., Meyer, A.S., Eberhard, K.M., & Cutting, J. (November, 1993). How scissors cut agreement. Paper presented at the *34th Annual Meeting of the Psychonomic Society*, Washington, DC.
- Eberhard, K.M. (March, 1993). The nature of the grammatical number information that is accessed during the implementation of English subject-verb agreement. Poster presented at the *Sixth Annual Meeting of the CUNY Sentence Processing Conference*, Amherst, MA.

- Bock, K., Eberhard, K.M., & Cutting, J.C. (November, 1992). Controlling number agreement on verbs and anaphors. Paper presented at the *33rd Annual Meeting of the Psychonomic Society*, St. Louis, MO.
- Bock, J.K., & Eberhard, K.M. (May, 1991). The meaning, sound, and syntax of English number agreement. Paper presented at the *Fourth Annual Meeting of the CUNY Sentence Processing Conference*, Rochester, NY.
- Peterson, R.R., Burgess, C., Dell, G.S., & Eberhard, K.M. (November, 1987). Syntactic analysis during idiom processing. Paper presented at the *28th Annual Meeting of the Psychonomic Society*, Seattle, WA.
- *Graduate research assistant, **Undergraduate research aid

IV. Grants and Fellowships

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| November 2007 | National Science Foundation INT2-Large Collaborative Research Grant. Title: Evidence-based Embodied Natural Language Processing for Natural Human-Robot Interactions. Co-PI. Requested amount: \$824K, <i>pending</i> |
| July 2007 – June 2012 | U.S. Office of Naval Research. Title: Effective Human-Robot Interaction under Time Pressure through Robust Natural Language Dialogue and Dynamic Autonomy. PI: Matthias Scheutz (Indiana University, Bloomington); Co-PIs: Kathleen Eberhard (University of Notre Dame), Chitta Baral, Subbarao Kambhampati, Pat Langley, Michael McBeath (Arizona State University), Stanely Peters (Stanford). Amount: \$2.5M |
| April 2006 | University of Notre Dame Institute for Scholarship in Liberal Arts' Graduate Student Summer Research Stipend. Graduate student: Sarah Boyd, Faculty advisor: Kathleen M. Eberhard, Amount: \$3,600 |
| March 2003 | University of Notre Dame Graduate School Summer 2003 Grant-Writing Fellowship for Graduate Student Summer Stipend. Graduate student: Kathleen Targowski, Faculty advisor: Kathleen M. Eberhard, Amount: \$3,600 |
| March 2003 | University of Notre Dame, ISLA's Multiyear Collaborative Research Grant. Co-PIs: Matthias Scheutz (Computer Science and Engineering), Colleen Ryan-Scheutz (Romance Languages). Amount: \$75,000 |
| January 2001 | University of Notre Dame, Graduate School's Faculty Research Program. Amount: \$14,995
University of Notre Dame, Institute for Scholarship in the Liberal Arts Annual Research Travel Award. Amount: \$2,350 (<i>declined due to acceptance of Faculty Research Program award</i>) |
| November 1997 | University of Notre Dame, Graduate School's Equipment Restoration and Renewal Program. Co-PI: Steven Boker (Psychology) Amount: \$77,077 |
| June 1996 | Summer Research Fellowship for study at the Max-Planck-Institut für Psycholinguistik, Nijmegen, The Netherlands |

Courses Taught

Cognitive Psychology (undergraduate)
 Cognitive Science (undergraduate)
 Seminar in Sentence Processing (graduate)
 Seminar in Statistical Learning (graduate)
 Seminar in Pragmatics (graduate)
 Psycholinguistics (undergraduate/graduate)
 University Social Science Seminar: Language in Law and Marketing (undergraduate)

Professional: Ad Hoc Reviewing

Cognition*
 Cognitive Psychology
 Journal of Experimental Psychology: Human Perception and Performance
 Journal of Experimental Psychology: Learning, Memory, & Cognition*
 Journal of Memory and Language*
 Language and Cognitive Processes*
 Memory and Cognition*
 National Science Foundation*
 Perception and Psychophysics
 Psychological Review
 *Within the last 12 months

Membership in Department and University Committees

Summer 2007 – present	Provost Advisory Committee on the Evaluation of Teaching (University)
Fall 2007 – present	Committee on Appointments and Promotions (Department)
Fall 2006 – Spring 2007	Undergraduate Studies Committee
Spring 1997 – Spring 2007	Colloquium Committee (Department)
Spring 2000 – Spring 2006	Honesty & Grievance Committee (Department)
Fall 1998 – Spring 2003	University Committee on the Protection of Human Subjects (University)
Spring 2002, 2003	Kaneb Teaching Award Nomination Committee
Spring 2002	Ten-Year Strategic Planning Committee

Membership in Professional Organizations

1994 – present	American Psychological Association
1994 - present	American Psychological Society
1997 – present	The Cognitive Science Society
1993 – present	The Psychonomic Society
1997 – present	Midwestern Psychological Association
2004 – present	Women in Cognitive Science