

Brady Zack Clark

Business Address:

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Specialization

Historical linguistics, language evolution, pragmatics, semantics, syntax

Research interests

Historical syntax, information structure (focus, topic), evolutionary syntax, computational models of language change and evolution, game-theoretic approaches to language use and change, anaphora, implicature, polarity items, model-theoretic syntax, network theory and linguistic diffusion

Academic positions

2006- Assistant Professor, Department of Linguistics, Northwestern University

2004-2006 Mellon Postdoctoral Fellow, Department of Linguistics, Northwestern University

2005-2006 Fellow, The Northwestern Institute on Complex Systems, Northwestern University

Education

1997-2004 Ph.D. program in linguistics, Stanford University, Dissertation title: *A Stochastic Optimality Theory Approach to Syntactic Change*. Thesis committee: Paul Kiparsky (co-chair), Elizabeth Traugott (co-chair), Joan Bresnan, and Peter Sells.

1998 European Summer School in Language, Logic, and Information, Saarbrücken, Germany.

1993-1997 B.A. (Honors) in Linguistics, University of Washington, Senior honors thesis title: *Wittgenstein's Investigations and Linguistic Performance*. Thesis advisor: Frederick J. Newmeyer.

Grants, awards, and honors

2008 Nominated for Weinberg College Award for Excellence in Mentoring Undergraduate Research, Northwestern University

2003 Centennial Teaching Assistant Award, Stanford University

2000-2004 Multidisciplinary University Research Initiative (MURI) fellowship

1998-2000 National Science Foundation Graduate Fellowship

1997-2003 University Fellowship, Stanford University

1997 Phi Beta Kappa

Publications (linguistics)

Books

In progress Brady Clark. *Categorical and Probabilistic Explanation in Historical Syntax*. Stanford, CA: CSLI Publications. Prospectus available on request.

2008 David Beaver and Brady Clark. *Sense and Sensitivity: How Focus Determines Meaning*. Malden, MA: Wiley-Blackwell.

Journal articles and book chapters

Forthcoming Brady Clark. Subjects in early English: Syntactic change as gradual constraint reranking. In *Grammatical Change: Origins, Nature, Outcomes*. Edited by Dianne Jonas.

2008 Celina Troutman, Brady Clark, and Matthew Goldrick. Social networks and intraspeaker variation during periods of language change. In *Proceedings of the 31st Annual Penn Linguistics Colloquium* (Penn Working Papers in Linguistics 14.1).

2008 Brady Clark, Matthew Goldrick, and Kenneth Konopka. Language Change as a Source of Word Order Generalizations. In *Variation, Selection, Development: Probing the evolutionary model of language change*. Edited by Regine Eckardt, Gerhard Jäger, and Tonjes Veenstra. 75-102. Berlin: Mouton de Gruyter.

2007 James German, Eyal Sagi, Stefan Kaufmann, Brady Clark, and Min-Joo Kim. The effect of the speakers motivation on the interpretation of logical connectives. In *Proceedings of the Twenty-Ninth Annual Conference of the Cognitive Science Society*. Nashville, TN.

2007 Maria Aloni, David Beaver, Brady Clark, and Robert van Rooij. The dynamics of topic and focus. In *Questions in Dynamic Semantics*. Edited by Maria Aloni, Alastair Butler, and Paul Dekker. 123-145. Amsterdam: Elsevier.

- 2007 David Beaver, Brady Clark, Edward Flemming, Florian Jaeger, and Maria Wolters. When Semantics Meets Phonetics: Acoustical Studies of Second Occurrence Focus. *Language*. 83(2):245-276.
- 2005 Brady Clark. On Stochastic Grammar. *Language*. 81(1): 207-217.
- 2004 Brady Clark. Early English clause structure change in a stochastic optimality theory setting. In *Studies in the History of the English Language II: Unfolding Conversations*. Edited by Anne Curzan and Kim Emmons. 343-369. Berlin: Mouton de Gruyter.
- 2003 David Beaver and Brady Clark. *Always and Only: Why Not All Focus Sensitive Operators Are Equal*. *Natural Language Semantics*. 11(4): 323-362.
- 2002a David Beaver and Brady Clark. The Proper Treatments of Focus Sensitivity. In *Proceedings of WCCFL XXI*. Edited by Line Mikkelsen and Christopher Potts. 15-28. Somerville, MA: Cascadilla Press.
- 2002b David Beaver and Brady Clark. Monotonicity and Focus Sensitivity. In *Proceedings of Semantics and Linguistic Theory XII*. Edited by Brendan Jackson. 40-58. Ithaca, NY: CLC Publications.
- 2000 Brady Clark. On the Subject of Resultative Phrases: Does Syntax Reflect Event Structure? In *Proceedings of the Twenty-eighth Western Conference on Linguistics, Volume 11*. Edited by Nancy Mae Antrim, Grant Goodall, Martha Schulte-Nafeh, and Vida Samiian. 78-91. Department of Linguistics, California State University, Fresno.
- 1999 Maria Aloni, David Beaver, and Brady Clark. Focus and Topic Sensitive Operators. In *Proceedings of the Twelfth Amsterdam Colloquium Dec 18-21, 1999*. Edited by Paul Dekker. 55-60. Amsterdam: Institute of Logic, Language and Computation Publications.

Edited volume

- 2002 David I. Beaver, Luis D. Casillas Martínez, Brady Z. Clark, and Stefan Kaufmann (eds.). *The Construction of Meaning*. Stanford, CA: CSLI Publications.

Reviews

- 2008 Brady Clark. Review of Eric Fuß, *The Rise of Agreement: A formal approach to the syntax and grammaticalization of verbal inflection*. *Studies in Language*. 32(1): 219-227.
- 2006 Brady Clark. Review of Elly van Gelderen, *Grammaticalization as Economy*. *Journal of Germanic Linguistics*. 18(1): 71-84.

- 2005 Brady Clark. Review of Eric Fuß and Carola Trips (eds.), *Diachronic Clues to Synchronic Grammar*, LINGUIST List 16.2250, Monday July 25 2005.
(<http://linguistlist.org/issues/16/16-2250.html#1>)
- 2004 Brady Clark. Review of Ian Roberts and Anna Roussou, *Syntactic Change: A Minimalist Approach to Grammaticalization*, LINGUIST List 15.1232, Friday April 16 2004.
(<http://linguistlist.org/issues/15/15-1232.html#1>)
- 2003 Brady Clark. Review of Carola Trips, *From OV to VO in Early Middle English*, LINGUIST List 14.1486, Thursday May 22 2003.
(<http://linguistlist.org/issues/14/14-1486.html#1>)
- 2002 Martha C. Pennington and Brady Z. Clark. Review of René Kager, *Optimality theory*; April McMahon, *Change, chance, and optimality*; and Bruce Tesar and Paul Smolensky, *Learnability in optimality theory*. *Language in Society*. 31: 443-449.

Manuscripts in preparation

Game Theory and accent placement (with James German, Stefan Kaufmann, and Eyal Sagi)

Publications (tutorial dialogue systems)

- 2006 Heather Pon-Barry, Karl Schultz, Elizabeth Owen Bratt, Brady Clark, and Stanley Peters. Responding to Student Uncertainty in Spoken Tutorial Dialogue Systems. *International Journal of Artificial Intelligence in Education (IJAIED)*. 16: 171-194.
- 2005 Heather Pon-Barry, Brady Clark, Karl Schultz, Elizabeth Owen Bratt, Stanley Peters, and David Haley. Contextualizing Reflective Dialogue in a Spoken Conversational Tutor. *Educational Technology and Society*. 8(4): 42-51.
- 2005 Brady Clark, Oliver Lemon, Alexander Gruenstein, Elizabeth Owen Bratt, John Fry, Stanley Peters, Heather Pon-Barry, Karl Schultz, Zack Thomsen-Gray, and Pucktada Treeratpituk. A General Purpose Architecture for Intelligent Tutoring Systems. In *Advances in Natural Multimodal Dialogue Systems*. Edited by Niels Ole Bernsen, Laila Dybkjaer, and Jan van Kuppevelt. Dordrecht: Kluwer.
- 2004 Stanley Peters, Elizabeth Owen Bratt, Brady Clark, Heather Pon-Barry, and Karl Schultz. Intelligent Systems for Training Damage Control Assistants. In *Proceedings of I/ITSEC 2004*. Orlando, Florida.
- 2004 Heather Pon-Barry, Brady Clark, Elizabeth Owen Bratt, Karl Schultz, and Stanley Peters. Advantages of Spoken Language Interaction in Tutorial Dialogue Systems. In *Proceedings of the 7th International Conference on Intelligent Tutoring Systems (ITS2004)*. Edited by James Lester, Rosa Maria Vicari, and Fabio Paraguacu. 390-400. Springer.

- 2004 Heather Pon-Barry, Brady Clark, Elizabeth Owen Bratt, Karl Schultz, and Stanley Peters. Evaluating the Effectiveness of SCoT- a Spoken Conversational Tutor. In *Proceedings of ITS Workshop on Dialog-based Intelligent Tutoring Systems: State of the Art and New Research Directions*. Edited by Jack Mostow and Patricia Tedesco. 23-32.
- 2004 Heather Pon-Barry, Brady Clark, Karl Schultz, Elizabeth Owen Bratt, and Stanley Peters. Contextualizing Learning in a Reflective Conversational Tutor. In *Proceedings of the 4th IEEE International Conference on Advanced Learning Technologies*.
- 2003 Karl Schultz, Elizabeth Owen Bratt, Brady Clark, Stanley Peters, Heather Pon-Barry, Pucktada Treeratpituk. A Scalable, Reusable Spoken Conversational Tutor: SCoT. In *AIED 2003 Supplementary Proceedings*. Edited by Vincent Aleven, Ulrich Hoppe, Judy Kay, Riichiro Mizoguchi, Helen Pain, Felisa Verdejo, and Kalina Yacef. 367-377.
- 2003 Brady Clark, Elizabeth Owen Bratt, Karl Schultz, and Martha Evens. SCoT: A Model of Conversational and Tutorial Intelligence. In *Proceedings of the 25th Annual Meeting of the Cognitive Science Society*.
- 2003 Zack Thomsen-Gray, Karl Schultz, Brady Clark, Elizabeth Owen Bratt, and Stanley Peters. Intelligent Tutoring for Non-Deterministic and Dynamic Domains. In *Artificial Intelligence in Education*. Edited by Ulrich Hoppe, Felisa Verdejo, and Judy Kay. 506-508. Amsterdam: IOS Press.
- 2003 David M. Fried, David C. Wilkins, Eugene Grois, Stanley Peters, Karl Schultz, and Brady Clark. The Gerona Knowledge Representation Language and Its Support for Spoken Dialogue Tutoring of Crisis Decision Making Skills. In *3rd IJCAI (International Joint Conference on Artificial Intelligence) Workshop on Knowledge and Reasoning in Practical Dialogue Systems*.
- 2002 Brady Clark, Elizabeth Owen Bratt, Oliver Lemon, Stanley Peters, Heather Pon-Barry, Zack Thomsen-Gray, and Pucktada Treeratpituk. A General Purpose Architecture for Intelligent Tutoring Systems. In *Proceedings of the International CLASS Workshop on Natural, Intelligent and Effective Interaction in Multimodal Dialogue Systems*. June 28-29, 2002. Copenhagen, Denmark.
- 2002 Elizabeth Owen Bratt, Brady Clark, Zack Thomsen-Gray, Stanley Peters, Pucktada Treeratpituk, Heather Pon-Barry, Karl Schultz, David C. Wilkins, and David Fried. Model-Based Reasoning for Tutorial Dialogue in Shipboard Damage Control. In *Model Based Systems and Qualitative Reasoning for Intelligent Tutoring Systems*. Edited by Bert Bredeweg. International workshop at ITS 2002, June 2nd, 2002. 63-69. San Sebastian, Spain.
- 2001 Brady Clark, John Fry, Matt Ginzton, Stanley Peters, Heather Ponbarry, and Zach Thomsen-Gray. A Multimodal Intelligent Tutoring System for Shipboard

Damage Control. In *Proceedings of 2001 International Workshop on Information Presentation and Multimodal Dialogue*. 121-125.

2001 John Fry, Matt Ginzton, Stanley Peters, Brady Clark, and Heather Ponbarry. Automated Tutoring Dialogues for Training in Shipboard Damage Control. In *Proceedings of the 2001 SIGdial Workshop on Discourse and Dialogue*. 68-71.

Presentations (linguistics)

Invited presentations

2007 Workshop on Dynamics and Complexity in People and Society, Northwestern Institute on Complex Systems. (with Matthew Goldrick and Celina Troutman)

2006 The Ohio State University, Department of Linguistics.

2006 University of California at San Diego, Department of Linguistics.

2006 University of Texas at Austin, Department of Linguistics.

2005 Northwestern Institute on Complex Systems.

2005 Blankensee Colloquium on Language Evolution– Cultural, cognitive and social factors.

2005 University of Chicago, Department of Linguistics.

Refereed conference presentations (not in proceedings)

2008 Tracing semantic change with Latent Semantic Analysis. Workshop on Current Methods in Historical Semantics. The Fifteenth International Conference on English Historical Linguistics (ICEHL15), Munich, Germany. (Eyal Sagi, Stefan Kaufmann, and Brady Clark)

2008 The effect of focus on bridging inferences. LSA 2008 Annual Meeting. Chicago, IL. (Alex Djalali, Janet Pierrehumbert, and Brady Clark)

2007 Variation and social networks during language change. LSA 2007 Annual Meeting. Anaheim, CA. (Celina Troutman, Brady Clark, and Matthew Goldrick)

2007 Variation and social networks during language change. 12th annual Mid-Continental Workshop on Phonology. University of Iowa. (Celina Troutman, Brady Clark, and Matthew Goldrick)

2006 The Role of Hearers' Beliefs in the Interpretation of Logical Connectives. Second Conference on Games and Decisions in Pragmatics (GDP II). Berlin, Germany. (James B. German, Eyal Sagi, Brady Clark, Stefan Kaufmann, and Min-Joo Kim)

- 2006 Polarity items and the interdefinability of universals and exclusives. LSA 2006 Annual Meeting. Albuquerque, NM.
- 2006 Language change as a source of word order correlations. LSA 2006 Annual Meeting. Albuquerque, NM. (Brady Clark, Matthew Goldrick, and Kenneth Konopka)
- 2004 The perception of second occurrence focus. LSA 2004 Annual Meeting. Boston, MA. (David Beaver, Brady Clark, Edward Flemming, and T. Florian Jaeger)
- 2003 Debunking the argument from second occurrence focus. LSA 2003 Annual Meeting. Atlanta, GA. (David Beaver, Brady Clark, Edward Flemming, and Maria Wolters)
- 2002 Variable Subject-Verb Inversion in Middle English and Stochastic OT. NAWA-31. Stanford, CA.
- 2002 Early English Clause Structure Change and Variation in a Stochastic Optimality Theory Setting. Studies in the History of the English Language II. Seattle, WA.
- 2002 A Stochastic Optimality Theory Approach to English Clause Structure Change. LSA 2002 Annual Meeting. San Francisco, CA.
- 2000 Focus (in)sensitivity. LSA 2000 Annual Meeting. Chicago, IL. (Maria Aloni, David Beaver, and Brady Clark)

Presentations (tutorial dialogue systems, not in proceedings)

- 2003 Interactive Spoken Simulation Control and Conversational Tutoring. Eighteenth International Joint Conference on Artificial Intelligence. Acapulco, Mexico. (Karl Schultz, Brady Clark, Elizabeth Owen Bratt, Stanley Peters, Heather Pon-Barry, Pucktada Treeratpituk, Zack Thomsen-Gray, David C. Wilkins, David M. Fried, and Eugene Grois; presented by Karl Schultz)
- 2002 Natural Language Interaction with Intelligent Tutoring. NLP Reading Group. Stanford, CA. (Brady Clark, Iddo Lev, and Karl Schultz; presented by Brady Clark, Iddo Lev, and Karl Schultz)
- 2002 Natural Language Interaction with Intelligent Tutoring. First Stanford Media X Industry Conference. Stanford, CA. (Brady Clark, Stanley Peters, and Karl Schultz; presented by Karl Schultz)

Teaching and advising

Courses

Summer 2008 Instructor for Meaning, Department of Linguistics, Northwestern University

Winter 2008 Instructor for Seminar in Syntax: Evolution of Syntax, Department of Linguistics, Northwestern University

Winter 2008 Instructor for Words and Sentences, Department of Linguistics, Northwestern University

Fall 2007 Instructor for Fundamentals of Meaning, Department of Linguistics, Northwestern University

Fall 2007 Instructor for Fundamentals of Syntax, Department of Linguistics, Northwestern University

Summer 2007 Instructor for Words and Sentences, Department of Linguistics, Northwestern University

Winter 2007 Instructor for Semantic Analysis I, Department of Linguistics, Northwestern University

Fall 2006 Instructor for Fundamentals of Meaning, Department of Linguistics, Northwestern University

Fall 2006 Instructor for Historical Linguistics, Department of Linguistics, Northwestern University

Summer 2006 Instructor for Words and Sentences, Department of Linguistics, Northwestern University

Winter 2006 Co-instructor (with Stefan Kaufmann) for Semantic Analysis I, Department of Linguistics, Northwestern University

Fall 2005 Instructor for Seminar in Semantics: Topic and Focus, Department of Linguistics, Northwestern University

Fall 2005 Co-instructor (with Gregory Ward) for Fundamentals of Meaning, Department of Linguistics, Northwestern University

Spring 2005 Instructor for Historical Linguistics, Department of Linguistics, Northwestern University

Fall 2004 Instructor for Fundamentals of Meaning, Department of Linguistics, Northwestern University

Fall 2000 Instructor for TA Training Course, Department of Linguistics, Stanford University

Independent study

Jennifer Alexander (Winter 2006, Spring 2006), Katinka Baren (Spring 2006), Matthew Berends (Fall 2005), Stefanie Brody (Winter 2006, Spring 2006), Alex Djalali (Spring 2006, Winter 2007, Spring 2007, Fall 2007), Midam Kim (Fall 2007, Spring 2008), Meredith Larson (Spring 2006), Rie Ma (Spring 2008), Yaron McNabb (Winter 2006), Jessica Spencer (Spring 2007, Spring 2008), Celina Troutman (Spring 2008), Kristin Van Engen (Winter 2006, Spring 2006)

Advising

Chair of Dissertation committee: Lewis Gebhardt (exp 2008), Meredith Larson (exp 2009)

Member of Dissertation committee: Rachel Baker (exp 2010), Matthew Berends (exp 2010), Carolyn Gottfurcht Zafra (2007), James German (exp 2008)

Member of MA committee: Yaron McNabb (2006)

Member of Qualifying Paper committee: Jennifer Alexander (2006), Rachel Baker (2006), Matthew Berends (2008), Midam Kim (exp 2008), Meredith Larson (2006), Kenneth Konopka (2006), Celina Troutman (2007, exp 2008), Kristin Van Engen (2006), Honglei Wang (exp 2009)

Member of Undergraduate Honors Thesis committee: Stefanie Brody (2006), Alex Djalali (2008)

Faculty mentor, Undergraduate Summer Research Grant: Alex Djalali (2006, 2007), Jiayi Liu (2008; with Richard Ashley and Stefan Kaufmann), Yaron McNabb (2005), Jessica Spencer (2007)

Sponsor, Northwestern Cognitive Science Program advanced graduate fellowship: Stella Christie (2006-2007)

Research experience

2000-2004 Research Assistant for project entitled "Natural Language Interaction with Intelligent Tutoring Systems" (Principal Investigator: Stanley Peters), Stanford University.

1999-2000, 2003-2004 Research Assistant for project entitled "Intonation and Meaning" (Principal Investigator: David Beaver), Stanford University.

1998-1999 Research Assistant for the Linguistic Grammars Online project (associated with the *Verbmobil* machine translation project), Stanford University.

Professional service

Editorial board: *Semantics and Pragmatics* (2007-)

Journal refereeing: *English Language and Linguistics*, *Journal of Semantics*, *Journal of South Asian Linguistics*, *Language*, *Synthese*

Book refereeing: Mouton de Gruyter, CSLI Publications, The MIT Press

Conference refereeing: WCCFL, WECOL, DGfS, Midwest Workshop on Semantics

University service

Faculty, Northwestern Institute on Complex Systems (NICO), Northwestern University (2006-)

Member of Northwestern's Cognitive Science Program Committee (2006-2007)

Departmental service

Chair, Syntax Search Committee, Department of Linguistics, Northwestern University (2006-2007)

Chair, Colloquium Committee, Department of Linguistics, Northwestern University (2006-)

Lab director, Northwestern University Syntax and Meaning Lab (2007-)

Member, Admissions Committee, Department of Linguistics, Northwestern University (2007-2008)

July, 2008