

## Roger Levy

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University of California, San Diego  
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### RESEARCH INTERESTS

My research focuses on theoretical and applied questions in the processing of natural language. Inherently, linguistic communication involves the resolution of uncertainty over a potentially unbounded set of possible signals and meanings. How can a fixed set of knowledge and resources be deployed to manage this uncertainty? To address these questions I use a combination of computational modelling and psycholinguistic experimentation. This work furthers our understanding of the cognitive underpinning of language processing, and helps us design models and algorithms that will allow machines to process human language.

### POSITIONS HELD

<b>Assistant Professor</b>	2006–
Department of Linguistics, University of California, San Diego	
<b>UK Economic &amp; Social Research Council Postdoctoral Fellow</b>	2005–2006
<i>Syntax, Probability, Prediction, and Memory in Human Sentence Processing</i>	
Institute for Communicating and Collaborative Systems	
School of Informatics, University of Edinburgh	

### EDUCATION

<b>Stanford University</b> , Ph.D. in Linguistics	2005
Dissertation Title: <i>Probabilistic Models of Word Order and Syntactic Discontinuity</i>	
Committee: Christopher Manning (chair), Dan Jurafsky, Ivan Sag, Tom Wasow	
<b>Stanford University</b> , M.S. in Anthropological Sciences	2002
Thesis Title: <i>Evolution of Inbreeding Avoidance</i>	
Advisor: Arthur Wolf	
<b>University of Tokyo</b> , Research Student	1997–1998
Advisor: Kenichi Aoki	
<b>Inter-University Program for Chinese Language Study</b>	1996–1997
Fulbright Fellow	
Taipei, Taiwan (Stanford Center)	
<b>University of Arizona</b> , B.S. in Mathematics	1996
Magna cum Laude (Minor: Physics)	

### HONORS AND AWARDS

UC San Diego Faculty Career Development Program Award	2009–2010
UC San Diego Academic Senate Grant	2009
Royal Society of Edinburgh travel grant	2007

UK Economic & Social Research Council Postdoctoral Fellowship	2005–2006
Departmental Fellowship, Stanford University	2003–2004
Summer Research Grant, Center for East Asian Studies, Stanford University	2003
Departmental Fellowship, Stanford University	2001–2002
National Science Foundation Graduate Fellowship	1998–2001
Japanese Ministry of Education Graduate Fellowship	1997–1998
Fulbright Graduate Fellowship	1996–1997
University of Michigan Technical Japanese Program Summer Fellowship	1996
Phi Beta Kappa	1996
Outstanding Graduate in Mathematics, University of Arizona	1996
Minnesota Supercomputer Institute Summer Internship	1995
National Security Education Program Scholarship	1994–1995
Flinn Scholarship	1991–1996

## BOOKS

**In progress.** Roger Levy. *Probabilistic Models in the Study of Language*. Accepted for publication by MIT Press.

## REFEREED JOURNAL ARTICLES

- 2008.** Roger Levy. “Expectation-based Syntactic Comprehension.” *Cognition* 106(3):1126–1177.
- 2006.** Sarah Bunin Benor and Roger Levy. “The Chicken or the Egg? A probabilistic account of English binomials.” *Language* 82(2):233–278.

## REFEREED CONFERENCE PROCEEDINGS

- 2009.** Roger Levy, Florencia Reali, and Thomas L. Griffiths. “Modeling the effects of memory on human online sentence processing with particle filters”. To appear in *Proceedings of the Twenty-second Annual Conference on Neural Information Processing Systems*.
- 2009.** Klinton Bicknell and Roger Levy. A model of local coherence effects in human sentence processing as consequences of updates from bottom-up prior to posterior beliefs. To appear in *Proceedings of the North American Chapter of the Association for Computational Linguistics – Human Language Technologies (NAACL-HLT) conference*.
- 2009.** Y. Albert Park and Roger Levy. Minimal-length linearizations for mildly context-sensitive dependency trees. To appear in *Proceedings of the North American Chapter of the Association for Computational Linguistics – Human Language Technologies (NAACL-HLT) conference*.
- 2009.** Klinton Bicknell, Vera Demberg, and Roger Levy. “Correcting the incorrect: Local coherence effects modeled with prior belief update.” To appear in *Proceedings of the 35th annual meeting of the Berkeley Linguistic Society*.
- 2008.** Roger Levy. “A noisy-channel model of rational human sentence comprehension under uncertain input.” *Proceedings of the Conference on Empirical Methods in Nat-*

*ural Language Processing.*

**2008.** Gabriel Doyle and Roger Levy. "Environment prototypicality effects on syntactic alternation". To appear in *Proceedings of the 34th Annual Meeting of the Berkeley Linguistics Society.*

**2008.** Nathaniel Smith and Roger Levy. "Optimal processing times in reading: a formal model and empirical investigation". *Proceedings of the 30th Annual Meeting of the Cognitive Science Society* (oral presentation).

**2007.** Roger Levy and T. Florian Jaeger. "Speakers optimize information density through syntactic reduction." *Proceedings of the Twentieth Annual Conference on Neural Information Processing Systems.*

**2006.** Roger Levy and Galen Andrew. "Tregex and Tsurgeon: Tools for querying and manipulating tree data structures." *Proceedings of the Fifth International Congress on Language Resources and Evaluation*, pp. 2231–2234.

**2004.** Roger Levy and Christopher Manning. "Deep dependencies from context-free statistical parsers: correcting the surface dependency approximation." *Proceedings of the 42nd meeting of the Association for Computational Linguistics*, pp. 327–334.

**2004.** Iddo Lev, Bill MacCartney, Christopher Manning, and Roger Levy. "Solving Logic Puzzles: From Robust Processing to Precise Semantics." *Proceedings of the 2nd Workshop on Text Meaning and Interpretation*, pp. 9–16.

**2003.** Roger Levy and Christopher Manning. "Is it harder to parse Chinese, or the Chinese Treebank?" *Proceedings of the 41st meeting of the Association for Computational Linguistics*, pages 439–446.

**2003.** Roger Levy and David Oshima. "Non-transitive information flow in Japanese noun-classifier matching." *Proceedings of the 10th International Conference on Head-Driven Phrase Structure Grammar.* CSLI Publications. pp. 257–277. Available online at <http://csli-publications.stanford.edu/HPSG/4/>

**2003.** Cynthia Thompson, Roger Levy, and Christopher Manning. "A Generative Model for FrameNet Semantic Role Labeling." *Proceedings of the 14th European Conference on Machine Learning*, pp. 397–408.

**2001.** Roger Levy and Carl Pollard. "Coordination and Neutralization in HPSG." *Proceedings of the 8th International Conference on Head-Driven Phrase Structure Grammar.* CSLI Publications. pp. 221–234. Available online at <http://csli-publications.stanford.edu/HPSG/2/hpsg01.html>

#### BOOK CHAPTERS

**2001.** Kenichi Aoki, Satoh Daisuke, and Roger Levy. "Theoretical Aspects of Brother-Sister Mating in Birds and Mammals." *Human Mate Choice and Prehistoric Marital Networks.* Kenichi Aoki and Takeru Akazawa, ed. International Research Center for Japanese Studies. pp. 5–17.

#### TECHNICAL REPORTS

**2006.** Owen Rambow, David Chiang, Mona Diab, Nizar Habash, Rebecca Hwa, Khalil

Sima'an, Vincent Lacey, Roger Levy, Carol Nichols, and Safiullah Shareef. "Parsing Arabic Dialects". Johns Hopkins University.

## THESES

**2005.** Roger Levy. "Probabilistic Models of Word Order and Syntactic Discontinuity". Ph.D. Thesis, Stanford University.

**1999.** Roger Levy. "Evolution of Inbreeding Avoidance." Master's Thesis, Stanford University. (Degree awarded 2002.)

## MANUSCRIPTS

**2002.** Roger Levy. "Parallelism and Weight Effects in English Coordinate Noun Phrases and Daughter Annotation of PCFGs." Manuscript, Stanford University.

**2001.** Roger Levy. "Feature Indeterminacy and the Coordination of Unlikes in a Totally Well-Typed HPSG." Manuscript, Stanford University. Available online at <http://idiom.ucsd.edu/~rlevy/papers/feature-indet.ps>

## INVITED PRESENTATIONS

**2008–2009.** "Noise and memory in rational human sentence comprehension." Presented at:

Department of Linguistics, Northwestern University, 5 December 2008

Natural Language Processing Group, Information Sciences Institute, 23 January 2009

Department of Psychology, California State University – Long Beach, 11 March 2009

Department of Linguistics, University of Southern California, 13 April 2009

Department of Psychology, New York University, 18 May 2009

**2007–2008.** "Probabilistic knowledge in human language comprehension and production." Presented at:

Department of Linguistics, UCLA, 11 February 2008

Department of Linguistics, Stanford University, 6 February 2008

Department of Brain & Cognitive Sciences, MIT, 4 February 2008

Department of Linguistics, Cornell University, 28 January 2008

IEEE Computational Intelligence Society, San Diego Chapter, 13 June 2007

**2007.** "Speakers optimize information density through syntactic reduction." Invited speaker, Computational Linguistics Colloquium, University of Potsdam, 13 December 2007.

**2007.** "Modeling transactions in uncertainty in the online processing of verb-final structures." Invited workshop presentation, *Theoretical approaches to the processing of verb-final constructions* workshop, Max Planck Institute for Human Cognitive and Brain Sciences, Leipzig, 7–9 December 2007.

**2007.** "New Frontiers Opened by the Gradient View of Grammatical Knowledge." Keynote address, *Eleventh meeting of the Texas Linguistic Society*, 9–10 November 2007.

**2007.** "Expectations, locality, and competition in human sentence comprehension." Department of Brain & Cognitive Sciences, University of Rochester, April 18, 2007.

**2006.** "Information-density optimization in natural language grammars." Presented at Language Evolution & Computation group meeting, University of Edinburgh, July 28, 2006.

**2005–2006.** "Expectation-based syntactic comprehension." Presented at:

Human Communication Research Centre, University of Edinburgh, Oct. 21, 2005

Dept. of Computational Linguistics and Phonetics, Saarland University, Dec. 1, 2005

Research Centre for English and Applied Linguistics, Cambridge University, Jan. 24, 2006

Department of Psychology, University of Glasgow, Feb. 17, 2006

Department of Psychology, University of Dundee, Mar. 9, 2006

Department of Brain and Cognitive Science, MIT, Oct. 6, 2006

**2005.** "Expectation-based syntactic processing, information theory, and German word order." Presented at:

Department of Linguistics, University of Ottawa, January 17, 2005

Department of Linguistics, University at Buffalo, February 8, 2005

Department of Linguistics, UC San Diego, February 14, 2005

Department of Linguistics, Ohio State University, February 18, 2005

Cognitive Science Program, Indiana University, February 21, 2005

Department of Linguistics, University of Texas - Austin, February 25, 2005

Department of Linguistics, University of Washington, March 12, 2005

**2004.** "Deep dependencies from context-free statistical parsers." Presented at:

Knowledge Systems Area group, Palo Alto Research Center, March 22, 2005

School of Informatics, University of Edinburgh, August 23, 2004

**2004.** "Predicate-argument structure from broad-coverage parse trees." Presented at the Institute of Cognitive Science, University of Colorado, Boulder, March 12, 2004.

**2004.** "The Statistical Distribution of English Coordinate Noun Phrases." Presented at:

Department of Linguistics, Indiana University, February 22, 2005

Department of Linguistics, University of Colorado, Boulder, March 11, 2004

#### PEER-REVIEWED PRESENTATIONS (EXCLUDING THOSE WITH PROCEEDINGS)

**2009.** Roger Levy. "Particle filters and online language parsing." Oral presentation to be given at the 31st annual meeting of the Cognitive Science Society, in the symposium *Rational Process Models*, July 29–August 1, 2009.

**2009.** Roger Levy, Klinton Bicknell, Tim Slattery, and Keith Rayner. "Readers maintain and act on uncertainty about past linguistic input: Evidence from eye movements." Oral presentation given at the 2009 CUNY sentence processing conference, 26 March 2009.

**2009.** Roger Levy, Florencia Reali, and Thomas Griffiths. "Digging-in effects as rational limited-parallel sentence comprehension." Poster presentation given at the 2009 CUNY sentence processing conference, 26 March 2009.

**2009.** Klinton Bicknell and Roger Levy. "A new model of local coherences as resulting from Bayesian belief update." Poster presentation given at the 2009 CUNY sentence

processing conference, 26 March 2009.

**2009.** Harry Tily, Marie-Catherine de Marneffe, and Roger Levy. "Comprehension difficulty reflects an understanding of likely production errors." Poster presentation given at the 2009 CUNY sentence processing conference, 27 March 2009.

**2009.** Roger Levy. "With uncertain input, rational sentence comprehension is good enough". Paper presented at the 2009 annual meeting of the Linguistic Society of America, San Francisco, CA, 8–11 January 2009.

**2009.** Klinton Bicknell and Roger Levy. "An empirical investigation and new model of local coherences". Paper presented at the 2009 annual meeting of the Linguistic Society of America, San Francisco, CA, 8–11 January 2009.

**2008.** Nathaniel Smith and Roger Levy. "Probabilistic Prediction and the Continuity of Language Comprehension." Presented at the 9th Conference on Conceptual Structure, Discourse, and Language (CSDL 9).

**2008.** Roger Levy. "A fully rational model of local-coherence effects: modeling uncertainty about the linguistic input in sentence comprehension." Oral presentation given at the 2008 CUNY sentence processing conference, 12–14 March 2008.

**2008.** Nathaniel Smith and Roger Levy. "Surprisal as optimal behavior: a formal model and empirical investigation." Oral presentation given at the 2008 CUNY sentence processing conference, 12–14 March 2008.

**2008.** Hannah Rohde, Roger Levy, and Andrew Kehler. "Implicit Causality Biases Influence Relative Clause Attachment." Poster presentation given at the 2008 CUNY sentence processing conference, 12–14 March 2008.

**2008.** Roger Levy, Edward Gibson, and Evelina Fedorenko. "Expectation-based processing of extraposed structures in English." Poster presentation given at the 2008 CUNY sentence processing conference, 12–14 March 2008.

**2008.** Roger Levy and Frank Keller. "Expectation and Memory in Processing of German Verb-final Clauses: Relativization Matters." Poster presentation given at the 2008 CUNY sentence processing conference, 12–14 March 2008.

**2008.** Klinton Bicknell, Vera Demberg, and Roger Levy. "Local coherences in the wild: An eye-tracking corpus study." Poster presentation given at the 2008 CUNY sentence processing conference, 12–14 March 2008.

**2008.** Hannah Rohde, Roger Levy, and Andrew Kehler. "Coherence-Driven Effects in Relative Clause Processing." Oral presentation at the 2008 annual meeting of the Linguistic Society of America, Chicago, IL, 3–6 January 2008.

**2008.** Gabriel Doyle and Roger Levy. "Mixed categories and gradient grammatical constraints." Poster presentation at the 2008 annual meeting of the Linguistic Society of America, Chicago, IL, 3–6 January 2008.

**2007.** Roger Levy, Evelina Fedorenko, and Edward Gibson. "The syntactic complexity of Russian relative clauses." Poster presentation given at *Interdisciplinary Approaches to Relative Clauses*, Cambridge University, September 2007.

**2007.** Roger Levy, Evelina Fedorenko, and Edward Gibson. "The syntactic complexity of Russian relative clauses." Oral presentation given at the 2007 CUNY sentence

processing conference.

**2007.** Roger Levy and Frank Keller. "Sentence position and time-course in expectation-based processing of final verbs." Poster presented at the 2007 CUNY sentence processing conference.

**2007.** Vera Demberg, Frank Keller, and Roger Levy. "Eye-tracking Evidence for Frequency and Integration Cost Effects in Corpus Data." Oral presentation given at the 2007 CUNY sentence processing conference.

**2007.** Evelina Fedorenko and Roger Levy. "Information-structure and word-order in Russian sentence comprehension." Poster presented at the 2007 CUNY sentence processing conference.

**2006.** Roger Levy, Evelina Fedorenko, and Edward Gibson. "The syntactic complexity of Russian relative clauses." Poster presented at the 2006 Architectures and Mechanisms for Language Processing (AMLaP) Conference.

**2006.** T. Florian Jaeger and Roger Levy. "The Structural Basis of Probabilistic Syntactic Production." Oral presentation at the 2006 Architectures and Mechanisms for Language Processing (AMLaP) Conference.

**2006.** Evelina Fedorenko and Roger Levy. "Information-structure and word-order in Russian sentence comprehension." Poster presented at the 2006 Architectures and Mechanisms for Language Processing (AMLaP) Conference.

**2005.** T. Florian Jaeger, Roger Levy, and Tom Wasow. "The Absence of *that* is Predictable if a Relative Clause is Predictable." Oral presentation at the 2005 Architectures and Mechanisms for Language Processing (AMLaP) Conference.

**2005.** "German word order and expectation-based syntactic processing." Poster presented at the 18th annual CUNY Sentence Processing Conference, March/April 2005.

**2005.** "Processing difficulty in verb-final clauses matches syntactic expectations." Presented at the 2005 meeting of the Linguistic Society of America, January 2005.

**2004.** "Quantifying syntactic discontinuity in natural language." Presented at the 40th annual meeting of the Chicago Linguistic Society.

**2003.** David Oshima and Roger Levy. "Nouns with multiple classifiers and non-transitive information flow in Japanese." Presented at the Stanford Semantics Fest, March 2003.

**2002.** "The Statistical Distribution of English Coordinate Noun Phrases: Parallelism and Weight Effects." Presented at the 31st annual meeting of *New Ways to Analyze Variation*, October 2002.

**2002.** "Non-events and the aspect of locative *keep*." Presented at the Stanford Semantics Fest, March 2002.

#### OTHER PRESENTATIONS

**2009.** "A brief and friendly introduction to multi-level models in psycholinguistics: conceptual background." Presented at the 2009 Pre-CUNY Workshop on Ordinary and Multilevel Models, 25 March 2009.

**2008.** Panelist, CUNY Sentence Processing Conference special session, *Formal Models*

*of Human Sentence Processing*, 14 March 2008.

2007. Panelist, *Grammar Engineering across Frameworks* workshop, 13 July 2007.

2007. "Logistic regression and model selection in investigating how speakers regulate information density in language use." Presented at the first UC San Diego workshop in statistics, biostatistics and bioinformatics: *Model selection and Statistical Learning*, 15 March 2007.

#### TEACHING: UNIVERSITY COURSES

[1xx=undergraduate, 2xx=graduate]

**Spring 2009.** Linguistics 170: Psycholinguistics, taught at UCSD.

**Winter 2009.** Linguistics/Computer Science & Engineering 256: Statistical Natural Language Processing, taught at UCSD.

**Fall 2008.** Linguistics 251: Probabilistic Methods in Linguistics, taught at UCSD.

**Fall 2008.** Linguistics 101: Introduction to the Study of Language, taught at UCSD.

**Winter 2008.** Linguistics/Computer Science & Engineering 256: Statistical Natural Language Processing, taught at UCSD.

**Winter 2008.** Linguistics 101: Introduction to the Study of Language, taught at UCSD.

**Fall 2007.** Linguistics 251: Probabilistic Methods in Linguistics, taught at UCSD.

**Spring 2007.** Linguistics 274: Computational Psycholinguistics, taught at UCSD.

**Fall 2006.** Linguistics 170: Psycholinguistics, taught at UCSD.

**Fall 2006.** Linguistics 101: Introduction to the Study of Language, taught at UCSD.

**Winter 2005.** Linguistics 235: Quantitative and Probabilistic Explanation in Linguistics. Co-taught with Christopher Manning.

**Winter 2002.** Linguistics 130A: Introduction to Semantics and Pragmatics. Teaching assistant for Hana Filip.

**Spring 2001.** Computer Science 224n/Linguistics 237: Statistical Natural Language Processing. Teaching assistant for Christopher Manning.

**Winter 2000.** Anthropological Sciences 5: Biology and Evolution of Language. Teaching assistant for James Fox.

#### TEACHING: SPECIAL COURSES

**Summer 2009.** Computational Psycholinguistics. Advanced course to be taught at the 21st European Summer School in Logic, Language, and Information (ESLLI), July 2009.

**December 2007.** Computational Psycholinguistics, graduate Blockseminar (intensive short course), University of Potsdam.

**Summer 2007.** Invited lecturer on Natural Language Modeling, UCLA Institute for Pure & Applied Mathematics Graduate Summer School: *Probabilistic Models of Cognition: The Mathematics of Mind*, July 2007.

**Summer 2007.** Computational Psycholinguistics, taught at the 2007 Institute of the Linguistic Society of America, Stanford University, July 2007.

**Summer 2006.** Probabilistic Methods in Computational Psycholinguistics. Ad-

vanced course taught at the 18th European Summer School in Logic, Language, and Information (ESSLI), August 2006.

#### PREDOCTORAL RESEARCH ASSISTANTSHIPS & EXPERIENCE

- Computational Linguistics** 2002-2005  
 Research Assistant, Natural Language Processing Group, Department of Computer Science, Stanford University. Supervisor: Christopher Manning.
- Lexical Semantics** Summer 2002  
 Visitor, Framenet and Embodied Construction Grammar projects. International Computer Science Institute, University of California at Berkeley.
- Evolutionary Anthropology** 1997-1999  
 Research student, Department of Anthropology, Faculty of Biology, University of Tokyo. Supervisor: Kenichi Aoki. Continued at Stanford University, Department of Anthropological Sciences, under Arthur Wolf.
- Minnesota Supercomputer Institute Summer Internship** 1995  
 Department of Chemical Engineering, University of Minnesota. Supervisor: Robert Tranquillo.

#### OTHER PROFESSIONAL EXPERIENCE

- Consulting, Natural Language Processing** 2006-  
 Consultant to corporations & university research groups on natural language processing, including segmentation, stemming, morphological analysis, part-of-speech tagging, and parsing, for English, Chinese, German, Japanese, and Arabic.
- Linguistic Consultant, Inxight Software** 2000-2002  
 Worked on lexicon management, segmentation, stemming, morphological analysis, part-of-speech tagging, and named entity extraction in Chinese, Japanese, and Russian. Extensive experience with finite-state and statistical methods for these tasks.
- Translator** 1996-2004  
 Experienced in Chinese→English and Japanese→English freelance translation, in arts, social science, and medical domains.

#### ADVISING

- Ph.D. Advisees**
- Klinton Bicknell, UCSD Linguistics 2006-present
- Gabriel Doyle, UCSD Linguistics 2007-present
- Nathaniel Smith, UCSD Cognitive Science (co-chair with Marta Kutas) 2007-present
- Albert Yonghahk Park, UCSD Computer Science & Engineering (co-chair with Gary Cottrell) 2007-present
- Rebecca Colavin, UCSD Linguistics (co-chair with Eric Baković) 2009-present
- Anubha Kothari, Stanford Linguistics (co-chair with Thomas Wasow) 2009-present
- Ph.D. Committees**

Jeremy K Boyd, UCSD Linguistics	<b>Graduated 2007</b>
Hannah Rohde, UCSD Linguistics	<b>Graduated 2008</b>
Laura Kertz, UCSD Linguistics	<b>Expected 2009</b>
Kathryn Cooke, UCSD Linguistics	<b>Expected 2009</b>
Harry Tily, Stanford Linguistics	<b>Expected 2009</b>
<b>Comprehensive Paper Committees (excluding Ph.D. advisees)</b>	
Kathryn Cooke, UCSD Linguistics	<b>2007</b>
Rebecca Colavin, UCSD Linguistics	<b>2008</b>
Lucien Carroll, UCSD Linguistics	<b>2009</b>
Jamie Alexandre, UCSD Cognitive Science	<b>2009</b>
Dan Michel, UCSD Linguistics	<b>2009</b>
Chris Barkley, UCSD Linguistics	<b>2009</b>
<b>Masters Committees</b>	
Azadeh Monirabbassi, UCSD Computer Science & Engineering (co-chair with Gary Cottrell)	<b>Graduated 2008</b>
Matt Rodriguez, UCSD Computer Science & Engineering	<b>Expected 2009</b>
<b>Undergraduate Research Assistants</b>	
Heidi Laidemitt, UCSD Linguistics	<b>2007</b>
Margo Schwartz, UCSD Linguistics	<b>2007–2008</b>
Joel Roman, UCSD Cognitive Science	<b>2008</b>
Kenneth Dowling III, UCSD Linguistics (Elanor Roosevelt College honors project)	<b>2008–</b>
Natalie Katz, UCSD Linguistics	<b>2008–</b>
Henry Lu, UCSD Math & Economics	<b>2009–</b>
Miriam Ayad, UCSD Physiology & Neuroscience	<b>2009–</b>

## ACADEMIC SERVICE

**Grant proposal reviewing**

Panelist, two National Science Foundation panels, 2007

Ad-hoc reviewer, one National Science Foundation panel, 2007

**Editorial Boards**

*Linguistic Issues in Language Technology*, 2007—

**Program Committees**

CUNY Sentence Processing Conference, 2009

Cognitive Science Conference, 2008, 2009

Quantitative Investigations in Theoretical Linguistics (QITL), 2006, 2008

EMNLP 2006

ACL/COLING Workshop on Multi-word Expressions, 2006

Conference on Natural Language Learning (CONLL), 2006, 2008

International Conference on Computer Processing of Oriental Languages, 2006

**At-large reviewing**

**2009:** *Cognition*, *Journal of Memory and Language*, *Discourse Processes*, *Language and Cognitive Processes*, NAACL/HLT, NIPS, Oxford University Press (*Origins of Sound Change: Approaches to Phonologization*)

**2008:** *Cognition* (3 times), *Cognitive Science*, *Computational Linguistics*, *Language & Cognitive Processes* (three times), *Journal of Logic, Language, and Information*, *Memory & Cognition*, *Perception & Psychophysics*, EMNLP, Conference on Neural Information Processing Systems (NIPS), CUNY Sentence Processing Conference, Chicago Linguistic Society

**2007:** *Cognition*, *Corpora*, *Language & Cognitive Processes*, EMNLP-CoNLL, CUNY Sentence Processing Conference, AMLaP, HLT/NAACL, Chicago Linguistic Society, WECOL

**2006:** *Cambridge Handbook on Computational Cognitive Modeling*, *Cognitive Science* (2 times), CUNY Sentence Processing Conference, EACL

**2005:** *Cognitive Science* (2 times), HLT/EMNLP, ACL, Springer *Text, Speech, and Language Technology* series

**2004:** COLING

#### **Departmental Committees, UC San Diego**

Academic Senate (alternate 2007–2008; main representative 2008–2009)	2007–2009
Curriculum committee	2007–2009
External Relations committee (chair)	2007–2008
Colloquium committee	2006–2007
Library committee	2006–2007
Departmental space committee	2008–2009

#### **Departmental Committees, Stanford Linguistics**

Colloquium committee	2004–2005
Library and computer committees	2001–2003

#### **R-LANG mailing list** 2007–present

Founder (with Marco Baroni) and host of R-LANG mailing list, a forum for discussion of statistical modeling and analysis of language data, in R.

#### **Corpora Initiative** 2002–2004

Co-leader with Florian Jaeger of Stanford University Linguistics Department initiative on improving departmental corpora and corpus-related tool resources.

#### **Symposium Organization** 1999

Student organizer for Symposium on Molecular Anthropology: *Unraveling the Secrets of Human Genetic Variation*, Department of Anthropological Sciences, Stanford University, May 21, 1999.

#### **Other academic service**

2008 Fulbright graduate fellowship interview committee, UCSD campus

#### LANGUAGE PROFICIENCIES

English – native

Mandarin Chinese, Japanese, and Russian – fluent

German – advanced reading knowledge

Research experience with Arabic, Marathi, and Polish

Experienced in Chinese→English and Japanese→English translation.