

CURRICULUM VITAE

Emily M. Bender

Department of Linguistics
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EMPLOYMENT

- 2004-** **Department of Linguistics, University of Washington**
Professor (2014–), Associate Professor (2010–2014), Assistant Professor (2004–2010)
Acting Chair, Linguistics, Winter Quarter 2017
Lab Director, Computational Linguistics Lab (2004–)
Faculty Director, Professional Masters Program in Computational
Linguistics (2005–)
Adjunct Professor (2014–), Adjunct Associate Professor (2010–2014), Adjunct Assistant
Professor (2006–2010), Department of Computer Science & Engineering
- 2003-2004** **Department of Linguistics, University of Washington**
Acting Assistant Professor
- 2003** **CSLI, Stanford University**
Senior Research Associate
- 2002-2003** **Department of Linguistics, Stanford University**
Acting Assistant Professor
- 2001-2002** **CSLI, Stanford University**
Visiting Scholar
- 2001-2002** **YY Technologies**
Grammar Engineer for Japanese
- 2000-2001** **Department of Linguistics, UC Berkeley**
Lecturer and Postdoctoral Researcher

EDUCATION

- 1997-2000** **Stanford University Ph.D. in Linguistics**
Dissertation: *Syntactic Variation and Linguistic Competence:
The Case of AAVE Copula Absence*
Committee: Thomas Wasow (Co-chair), Penelope Eckert (Co-chair),
John Rickford, Ivan Sag, Arnold Zwicky.
- 1997** LSA Linguistic Institute, Cornell University
- 1995-1997** **Stanford University M.A. in Linguistics**
- 1991-1995** **University of California, Berkeley A.B. in Linguistics**
Senior honors thesis: *Integrating Kanji into the Japanese Language
Curriculum.*
- 1993-1994** **Tohoku University, Sendai, Japan**

HONORS

- 2017–2018** **Visiting Fellow** Centre for Advanced Study at the Norwegian Academy of Science and Letters, Oslo.
- 2009** **R1edu award** for significant contributions to online and distance learning
- 2007** Nominated for UW **Distinguished Graduate Mentor Award**
- 2007** Nominated for UW **Excellence in Teaching Award**
- 1999–2000** **Dissertation Fellowship** Humanities and Sciences Graduate Alumni Association, Stanford University.
- 1999** **Centennial TA**, Stanford University.
- 1997** **Bloch Fellowship alternate**, Linguistic Society of America Linguistic Institute at Cornell University.
- 1995–1998** **National Science Foundation Graduate Research Fellowship.**
- 1995** **University Medal**, University of California, Berkeley, awarded to one graduating senior each year on the basis of academic achievement, community service, and leadership.
- 1994** **Phi Beta Kappa**, University of California, Berkeley.
- 1993–1994** **Japanese Ministry of Education (Monbusho) Fellowship** for one year's study at a Japanese national university.
- 1992–1993** **President's Undergraduate Fellowship**, for individual research, University of California, Berkeley.

GRANTS

- 2016** 'Automatic grammar engineering for endangered languages based on cross-linguistic resources'. NSF DEL - Documenting Endangered Languages. 41 months \$429,864.
- 2015** '2015 ACL Student Research Workshop.' NSF IIS - Robust Intelligence. 12 months \$10,500.
- 2014** REU supplement for AGGREGATION (NSF). 6 months \$4032.
- 2012** 'AGGREGATION: Automatic Generation of Grammars for Endangered Languages from Glosses and Typological Information [ctn, ing, inh].' NSF Documenting Endangered Languages program. With Fei Xia (Co-PI). Pilot project. 2 years \$224,039.
- 2009** (Co-PI) 'Linguistic Cues to Social Goals in Spoken and Virtual, Private and Broadcast Interactions.' IARPA BAA-09-01 SCIL: Socio-cultural Content in Language. With Mari Ostendorf (EE; PI) and Marc Zachry (HCDE, Co-PI). \$1,277,154 (base period plus one option year).
- 2009** Cyberling 2009 Workshop: Towards a Cyberinfrastructure for Linguistics. NSF, \$38,573
- 2007** The Grammar Matrix: Computational Linguistic Typology. NSF CAREER Grant, 5 years, \$474,229
- 2003** (Co-PI) Stanford University MediaX Program on Learning and Training 'Learning English via Robust Conversation'

JOURNAL PUBLICATIONS

- Bender, Emily M. 2016. ‘Linguistic Typology in Natural Language Processing.’ *Linguistic Typology* 20(3):645–660.
- Xia, Fei, William D. Lewis, Michael Wayne Goodman, Glenn Slayden, Ryan Georgi, Joshua Crowgey and Emily M. Bender. 2016. ‘Enriching a Massively Multilingual Database of Interlinear Glossed Text.’ *Language Resources and Evaluation* 50(2):321–349.
- Goodman, Michael Wayne, Joshua Crowgey, Fei Xia and Emily M. Bender. 2015. ‘Xigt: Extensible Interlinear Glossed Text for Natural Language Processing.’ *Language Resources and Evaluation* 49(2):455–485.
- Morgan, Jonathan T. and Meghan Oxley and Emily M. Bender and Liyi Zhu and Varya Gracheva and Mark Zachry. 2013. ‘Are We There Yet?: The Development of a Corpus Annotated for Social Acts in Multilingual Online Discourse.’ *Discourse and Dialogue*. 4(2):1–33.
- Bender, Emily M. 2011. ‘On Achieving and Evaluating Language Independence in NLP.’ *Linguistic Issues in Language Technology*. Special Issue on the Interaction of Linguistics and Computational Linguistics, Timothy Baldwin and Valia Kordoni (eds). 6(3):1–26.
- Bender, Emily M., Scott Drellishak, Antske Fokkens, Laurie Poulson and Safiyah Saleem. 2010. ‘Grammar Customization.’ *Research on Language and Computation* 8(1):23–72.
- Bender, Emily M. 2010. ‘Reweaving a Grammar for Wambaya: A Case Study in Grammar Engineering for Linguistic Hypothesis Testing.’ *Linguistic Issues in Language Technology* 3(3). pp.1–34.
- Bender, Emily M. and Langendoen, D. Terence. 2010. ‘Computational Linguistics in Support of Linguistic Theory.’ *Linguistic Issues in Language Technology* 3(2). pp.1–31.
- Bender, Emily M. 2007. ‘Socially meaningful syntactic variation in sign-based grammar.’ In Adger, David and Trousdale, Graeme, eds. *English Language and Linguistics* 11(2) Special Issue on Variation in English Dialect Syntax: Theoretical Perspectives. pp.347–381.
- Bender, Emily M. 2005. ‘On the boundaries of linguistic competence: Matched-guise experiments as evidence of knowledge of grammar.’ In Borsley, Robert D., ed. *Lingua* 115/11: Special volume on data in syntax, semantics and pragmatics. pp.1579–1598.
- Bender, Emily. 2000. ‘The syntax of Mandarin *bǎ*: Reconsidering the verbal analysis.’ In *Journal of East Asian Linguistics* 9(2):105–145.

BOOKS

- Siegel, Melanie, Emily M. Bender, and Francis Bond. 2016. *Jacy: An Implemented Grammar of Japanese*. Stanford: CSLI.
- Bender, Emily M. 2013. *Linguistic Fundamentals for Natural Language Processing: 100 Essentials from Morphology and Syntax*. Synthesis Lectures on Human Language Technologies #20. Morgan & Claypool Publishers.

- Sag, Ivan A., Thomas Wasow, and Emily M. Bender. 2003. *Syntactic Theory: A Formal Introduction*. Second edition. Stanford: CSLI.
- Bender, Emily M., Ivan A. Sag and Thomas Wasow. 2003. *Instructor's Manual for Syntactic Theory: A Formal Introduction*. Stanford: CSLI. <http://hpsg.stanford.edu/book/>

CONFERENCE PROCEEDINGS: FULL PAPER REVIEW

- Bender, Emily M., Dan Flickinger, Stephan Oepen, Woodley Packard, and Ann Copestake. 2015. 'Layers of Interpretation: On Grammar and Compositionality.' *Proceedings of the 11th International Conference on Computational Semantics (IWCS 2015)*, London. pp.239–249.
- Packard, Woodley, Emily M. Bender, Jonathon Read, Stephan Oepen and Rebecca Dridan. 2014. 'Simple Negation Scope Resolution through Deep Parsing: A Semantic Solution to a Semantic Problem.' *Proceedings of the 52nd Annual Meeting of the Association for Computational Linguistics (Volume 1: Long Papers)*, Baltimore, MD. pp.69–78.
- Bender, Emily M., Robert Schikowski, and Balthasar Bickel. 2012. 'Deriving a Lexicon for a Precision Grammar from Language Documentation Resources: A Case Study of Chintang.' *Proceedings of COLING 2012*, Mumbai, India.
- Hohensee, Matt and Emily M. Bender. 2012. 'Getting More from Morphology in Multilingual Dependency Parsing.' *Proceedings of Human Language Technologies: The 2012 Annual Conference of the North American Chapter of the Association for Computational Linguistics*, Montreal, Canada.
- Fokkens, Antske, Yi Zhang and Emily M. Bender. 2011. 'Spring Cleaning and Grammar Compression: Two Techniques for Detection of Redundancy in HPSG Grammars.' *Proceedings of PACLIC 2011: The 25th Pacific Asia Conference on Language, Information and Computation*, Singapore.
- Bender, Emily M., Dan Flickinger, Stephan Oepen and Yi Zhang. 2011. 'Parser Evaluation over Local and Non-Local Deep Dependencies in a Large Corpus.' *Proceedings of the 2011 Conference on Empirical Methods in Natural Language Processing*, Edinburgh, UK.
- Saleem, Safiyah and Emily M. Bender. 2010. 'Argument Optionality in the LinGO Grammar Matrix.' *Proceedings of the 22nd International Conference on Computational Linguistics (Coling 2010)*, Beijing, China.
- Bender, Emily M., Scott Drellishak, Antske Fokkens, Michael Wayne Goodman, Daniel P. Mills, Laurie Poulson, and Safiyah Saleem. 2010. 'Grammar Prototyping and Testing with the LinGO Grammar Matrix Customization System.' *Proceedings of ACL 2010 Software Demonstrations*, Uppsala, Sweden.
- Bender, Emily M. 2008. 'Evaluating a Crosslinguistic Grammar Resource: A Case Study of Wambaya.' *Proceedings of ACL08:HLT*, Columbus, OH. pp.977-985.
- Bender, Emily M. and Dan Flickinger. 2005. 'Rapid Prototyping of Scalable Grammars: Towards Modularity in Extensions to a Language-Independent Core.' *Proceedings of IJCNLP-05 (Posters/Demos)*, Jeju Island, Korea. pp.203–208.
- Baldwin, Timothy, Emily M. Bender, Dan Flickinger, Ara Kim and Stephan Oepen. 2004. 'Road-

testing the English Resource Grammar over the British National Corpus.’ *Proceedings of LREC 2004*.

Bender, Emily M. and Melanie Siegel. 2004. ‘Implementing the Syntax of Japanese Numeral Classifiers.’ In *Proceedings of the First International Conference on Natural Language Processing*. Hainan, China.

WORKSHOP PROCEEDINGS: FULL PAPER REVIEW

Levow, Gina-Anne, Emily M. Bender, Patrick Littell, Kristen Howell, Shobhana Chelliah, Joshua Crowgey, Dan Garrette, Jeff Good, Sharon Hargus, David Inman, Michael Maxwell, Michael Tjalve, and Fei Xia. 2017. ‘STREAMLInED Challenges: Aligning Research Interests with Shared Tasks.’ *Proceedings of ComputEL-2: 2nd Workshop on Computational Methods for Endangered Languages, ICLDC 2017*, Honolulu Hawai‘i.

Bender, Emily M., Joshua Crowgey, Michael Wayne Goodman and Fei Xia. 2014. ‘Learning Grammar Specifications from IGT: A Case Study of Chintang.’ *Proceedings of the Workshop on the Use of Computational Methods in the Study of Endangered Languages, ACL 2014*, Baltimore, MD. pp.43–53.

Fokkens, Antske and Emily M. Bender. 2013. ‘Time Travel in Grammar Engineering: Using a Metagrammar to Broaden the Search Space.’ In *Proceedings of the ESSLLI Workshop on High-Level Methodologies in Grammar Engineering*. pp.105–116.

Bender, Emily M., Michael Wayne Goodman, Joshua Crowgey and Fei Xia. 2013. ‘Towards Creating Precision Grammars from Interlinear Glossed Text: Inferring Large-Scale Typological Properties.’ In *Proceedings of the ACL 2013 workshop on Language Technology for Cultural Heritage, Social Sciences and Humanities*. pp.74–83.

Bender, Emily M., Jonathan T. Morgan, Meghan Oxley, Mark Zachry, Brian Hutchinson, Alex Marin, Bin Zhang and Mari Ostendorf. 2011. ‘Annotating Social Acts: Authority Claims and Alignment Moves in Wikipedia Talk Pages’. *Proceedings of the Workshop on Language in Social Media (LSM 2011)*. pp.48–57.

Marin, Alex, Mari Ostendorf, Bin Zhang, Jonathan T. Morgan, Meghan Oxley, Mark Zachry and Emily M. Bender. 2010. ‘Detecting Authority Bids in Online Discussions.’ *Proceedings of the IEEE Workshop on Spoken Language Technology 2010*. pp.49–54.

Bender, Emily M. and Goss-Grubbs, David. 2008. ‘Semantic Representations of Syntactically Marked Discourse Status in Crosslinguistic Perspective.’ In *Proceedings of Semantics in Systems for Text Processing STEP 2008*. College Publications .

Bender, Emily M., Xia, Fei and Bansleben, Erik. 2008. ‘Building a Flexible, Collaborative, Intensive Master’s Program in Computational Linguistics.’ In *Proceedings of the Third Workshop on Issues in Teaching Computational Linguistics at ACL 2008:HLT*.

Bender, Emily M., Poulson, Laurie, Drellishak, Scott and Evans, Chris. 2007. ‘Validation and Regression Testing for a Cross-linguistic Grammar Resource.’ In *Proceedings of the ACL 2007 Workshop on Deep Linguistic Processing*.

Bender, Emily M. and Markus Egg and Michael Tepper. 2005. ‘Semantic Construction for Nominal Expressions in Cross-Linguistic Perspective.’ *Proceedings of the Sixth International Work-*

shop on Computational Semantics. Tilburg, The Netherlands.

- Bender, Emily M., Dan Flickinger, Jeff Good and Ivan A. Sag. 2004. ‘Montage: Leveraging Advances in Grammar Engineering, Linguistic Ontologies, and Mark-Up for the Documentation of Underdescribed Languages.’ In *Proceedings of the Workshop on First Steps for Language Documentation of Minority Languages: Computational Linguistic Tools for Morphology, Lexicon and Corpus Compilation, LREC 2004*, Lisbon, Portugal.
- Flickinger, Dan and Emily M. Bender. 2003. ‘Compositional Semantics in a Multilingual Grammar Resource.’ In *Proceedings of the Workshop on Ideas and Strategies for Multilingual Grammar Development, ESSLLI 2003*. Vienna, Austria. pp. 33–42.
- Bender, Emily M., Dan Flickinger, and Stephan Oepen. 2002. The Grammar Matrix: An Open-Source Starter-Kit for the Rapid Development of Cross-Linguistically Consistent Broad-Coverage Precision Grammars. In *Proceedings of the Workshop on Grammar Engineering and Evaluation at the 19th International Conference on Computational Linguistics*. Taipei, Taiwan.
- Siegel, Melanie and Emily M. Bender. 2002. Efficient Deep Processing of Japanese. In *Proceedings of the 3rd Workshop on Asian Language Resources and International Standardization at the 19th International Conference on Computational Linguistics*. Taipei, Taiwan.
- Oepen, Stephan, Emily M. Bender, Uli Callmeier, Dan Flickinger, and Melanie Siegel. 2002. Parallel Distributed Grammar Engineering for Practical Applications. In *Proceedings of the Workshop on Grammar Engineering and Evaluation at the 19th International Conference on Computational Linguistics*. Taipei, Taiwan.

CONFERENCE/WORKSHOP PROCEEDINGS: ABSTRACT REVIEW

- Zamaraeva, Olga, František Kratochvíl, Emily M. Bender, Fei Xia and Kristen Howell. 2017. ‘Computational Support for Finding Word Classes: A Case Study of Abui.’ *Proceedings of ComputEL-2: 2nd Workshop on Computational Methods for Endangered Languages, ICLDC 2017*, Honolulu Hawai‘i.
- Howell, Kristen, Emily M. Bender, Michael Lockwood, Fei Xia and Olga Zamaraeva. 2017. ‘Inferring Case Systems from IGT: Impacts and Detection of Variable Glossing Practices.’ *Proceedings of ComputEL-2: 2nd Workshop on Computational Methods for Endangered Languages, ICLDC 2017*, Honolulu Hawai‘i.
- Zamaraeva, Olga and Emily M. Bender. 2014. ‘Focus Case Outside of Austronesian: An Analysis of Kolyma Yukaghir.’ In Miller, Stefan, ed. *Proceedings of the 21st International Conference on Head-Driven Phrase Structure Grammar*, University at Buffalo. pp.176–196.
- Bender, Emily M. 2014. ‘Language COLLAGE: Grammatical Description with the LinGO Grammar Matrix.’ *Proceedings of LREC 2014*.
- Flickinger, Dan, Emily M. Bender and Stephan Oepen. 2014. ‘Towards an Encyclopedia of Compositional Semantics: Documenting the Interface of the English Resource Grammar.’ *Proceedings of LREC 2014*.
- Xia, Fei, William D. Lewis, Michael Wayne Goodman, Joshua Crowgey, and Emily M. Bender. 2014. ‘Enriching ODIN.’ *Proceedings of LREC 2014*.

- Song, Sanghoun and Emily M. Bender. 2012. ‘Individual Constraints for Information Structure.’ Müller, S. (ed). *Proceedings of the 19th International Conference on Head-Driven Phrase Structure Grammar, Chungnam National University Daejeon*. pp.330–348.
- Bender, Emily M., David Wax, and Michael Wayne Goodman. 2012. ‘From IGT to Precision Grammar: French verbal morphology.’ *LSA Annual Meeting Extended Abstracts 2012*.
- Song, Sanghoun and Emily M. Bender. 2011. ‘Using Information Structure to Improve Transfer-based MT.’ Müller, Stefan, ed. *Proceedings of the HPSG 2011 Conference*. Stanford, CSLI. pp.348–368.
- Crowgey, Joshua and Emily M. Bender. 2011. ‘Analyzing Interacting Phenomena: Word Order and Negation in Basque.’ Müller, Stefan, ed. *Proceedings of the HPSG 2011 Conference*. Stanford, CSLI. pp.46–59.
- Fokkens, Antske, Laurie Poulson and Emily M. Bender. 2009. ‘Inflectional Morphology in Turkish VP Coordination.’ Müller, Stefan, ed. *Proceedings of the HPSG 2009 Conference*. Stanford, CSLI. pp.110–130.
- Bender, Emily M. 2008. ‘Radical Non-Configurationality without Shuffle Operators.’ Müller, Stefan, ed. *Proceedings of the HPSG 2008 Conference*. Stanford, CSLI. pp.6–24.
- Bender, Emily M. 2007. ‘Combining Research and Pedagogy in the Development of a Crosslinguistic Grammar Resource.’ King, Tracy Holloway and Bender, Emily M. eds. *Proceedings of the GEAF 2007 Workshop*. Stanford, CA: CSLI Publications.
- Drellishak, Scott and Emily M. Bender. 2005. ‘A Coordination Module for a Crosslinguistic Grammar Resource’. Müller, Stephan, ed. *Proceedings of the 12th International Conference on Head-Driven Phrase Structure Grammar*. Stanford, CA: CSLI Publications.
- Bender, Emily M. and Jeff Good. 2005. ‘Implementation for Discovery: A Bipartite Lexicon to Support Morphological and Syntactic Analysis.’ In Edwards, Rodney L., Patrick J. Midtlyng, Colin L. Sprague and Kjersti G. Stensrud (eds) *Proceedings from the Panels of the Forty-First Annual Meeting of the Chicago Linguistic Society: Volume 41-2* pp.1–15.
- Siegel, Melanie and Emily M. Bender. 2004. ‘Head-Initial Constructions in Japanese.’ In Müller, Stefan (ed). *Proceedings of the 11th International Conference on Head-Driven Phrase Structure Grammar*. Stanford: CSLI Publications. pp.244-260.
- Bender, Emily M., Dan Flickinger, Stephan Oepen and Annemarie Walsh. 2004. ‘Arboretum: Using a precision grammar for grammar checking in CALL.’ In *Proceedings of the InSTIL/ICALL Symposium 2004*.
- Bender, Emily M. and Andreas Kathol. In press (2001). ‘Constructional Effects of *Just Because ... Doesn't Mean ...*’ In BLS 27.
- Bender, Emily. 2000. ‘Non-categorical constraints in perception.’ In Minnick Fox, Michelle, Alexander Williams, and Elsi Kaiser, eds. *Penn Working Papers in Linguistics* 7(1). pp. 15–26.
- Riehemann, Susanne Z. and Emily Bender. 1999. ‘Absolute constructions: On the distribution of predicative idioms.’ In Bird, Sonya, Andrew Carnie, Jason D. Haugen, and Peter Norquest, eds. *WCCFL 18: Proceedings of the 18th West Coast Conference on Formal Linguistics*. Somerville, MA: Cascadilla Press. pp. 476–489.

Bender, Emily. 1999. ‘Constituting context: Null objects in English recipes revisited.’ In Alexander, Jim, Na-Rae Han, and Michelle Minnick Fox, eds. *Penn Working Papers in Linguistics* 6(1). pp. 53–68.

CONFERENCE PROCEEDINGS: INVITED PAPERS

Bender, Emily M. 2009. ‘Linguistically Naïve != Language Independent: Why NLP Needs Linguistic Typology.’ *Proceedings of the EACL 2009 Workshop on the Interaction between Linguistics and Computational Linguistics: Virtuous, Vicious or Vacuous?*, Athens, Greece. pp.26–32.

Bender, Emily M. 2008. ‘Grammar Engineering for Linguistic Hypothesis Testing.’ In Gaylord, Nicholas, Alexis Palmer, and Elias Ponvert, eds. *Proceedings of the Texas Linguistics Society X Conference: Computational Linguistics for Less-Studied Languages*. Stanford: CSLI Publications ONLINE. pp.16–36.

PUBLICATIONS IN EDITED COLLECTIONS

Flickinger, Dan, Stephan Oepen and Emily M. Bender. To appear. ‘Sustainable Development and Refinement of Complex Linguistic Annotations at Scale.’ In Ide, Nancy and James Pustejovsky (eds) *Handbook of Linguistic Annotation Science*. Springer.

Bender, Emily M., Stephen Clark and Tracy Holloway King. 2015. ‘Computational Syntax.’ In Kiss, Tibor and Artemis Alexiadou (eds) *Syntax—An International Handbook of Contemporary Research*. Handbooks of Linguistics and Communication Science, Vol 9. Berlin: Walter de Gruyter Publishers.

Bender, Emily M. and Alex Lascarides. 2013. ‘On Modeling Scope of Inflectional Negation.’ In P. Hofmeister and E. Norcliffe (eds). *The Core and the Periphery: Data-driven Perspectives on Syntax Inspired by Ivan A. Sag*. Stanford: CSLI Publications. pp.101–124.

Bender, Emily M., Sumukh Ghodke, Timothy Baldwin, and Rebecca Dridan. 2012. ‘From Database to Treebank: On Enhancing Hypertext Grammars with Grammar Engineering and Treebank Search.’ In Nordhoff, S. and Poggeman K.-L. G. (eds) *Electronic Grammatography*. Honolulu: University of Hawaii Press. pp.179–206.

Bender, Emily M., Dan Flickinger and Stephan Oepen. 2011. ‘Grammar Engineering and Linguistic Hypothesis Testing: Computational Support for Complexity in Linguistic Analysis.’ In Bender, E.M. and J.E. Arnold (eds) *Language from a Cognitive Perspective: Grammar, Usage and Processing*. Stanford: CSLI. pp.5–29.

Arnold, Jennifer E. and Emily M. Bender. 2011. ‘Introduction.’ In Bender, E.M. and J.E. Arnold (eds) *Language from a Cognitive Perspective: Grammar, Usage and Processing*. Stanford: CSLI. pp.1–4.

Langendoen, D. Terence and Emily M. Bender. 2010. ‘Special Volume Introduction.’ *Linguistic Issues in Language Technology* 3(1). pp.1–3.

Bender, Emily M. 2006. ‘Variation and Formal Theories of Grammar: HPSG’. In Brown, Keith (editor-in-chief). *The Encyclopedia of Language and Linguistics, Second Edition*. Oxford:

Elsevier Publishers. pp.326–329.

- Bender, Emily M., Dan Flickinger, Frederik Fouvry, and Melanie Siegel. 2005. ‘Special Issue on Shared Representation in Multilingual Grammar Engineering: Introduction.’ *Journal of Research on Language and Computation* 3(2):131-138.
- Baldwin, Timothy, John Beavers, Emily M. Bender, Dan Flickinger, Ara Kim and Stephan Oepen. 2005. ‘Beauty and the Beast: What running a broad-coverage precision grammar over the BNC taught us about the grammar—and the corpus.’ Kepser, Stephan and Marga Reis (eds). *Linguistic Evidence: Empirical, Theoretical, and Computational Perspectives*. Mouton de Gruyter. pp.49–70.
- Bender, Emily M. and Ivan A. Sag. 2000. ‘Incorporating contracted auxiliaries in English.’ In Cann, Ronnie, Claire Grover and Philip Miller, eds. *Grammatical Interfaces in HPSG*. Stanford: CSLI. pp. 17–32.
- Bender, Emily and Dan Flickinger. 1999. ‘Diachronic evidence for extended Argument Structure.’ In Bouma, Gosse, Erhard Hinrichs, Geert-Jan Kruijff, and Richard Oehrle, eds. *Constraints and Resources in Natural Language Syntax and Semantics*. Stanford: CSLI. pp. 3–19.
- Bender, Emily and Dan Flickinger. 1999. ‘Peripheral constructions and core phenomena: Agreement in tag questions.’ In Webelhuth, Gert, Jean-Pierre Koenig, and Andreas Kathol, eds. *Lexical and Constructional Aspects of Linguistic Explanation*. Stanford: CSLI. pp. 199-214.

REVIEWS

- Bender, Emily M. 2008. Review of Huddleston and Pullum *A Student’s Introduction to English Grammar*.’ In *Language* 84(3):643–646.
- Bender, Emily M. 2002. Review of Martin et al (eds) *Step by Step: Essays on Minimalist Syntax in Honor of Howard Lasnik*.’ In *Journal of Linguistics* 38(2):432–439.

EDITED VOLUMES

- Hovy, Dirk, Shannon Spruit, Margaret Mitchell, Emily M. Bender, Michael Strube, and Hanna Wallach. 2017. (eds). *Proceedings of the First ACL Workshop on Ethics in Natural Language Processing*. EACL 2017, Valencia, Spain.
- Bender, Emily M. and Jennifer E. Arnold. 2011. *Language from a Cognitive Perspective: Grammar, Usage and Processing*. Stanford: CSLI.
- Bender, Emily M. and D. Terence Langendoen. 2010. *Linguistic Issues in Language Technology Volume 3: Implementation of Linguistic Analyses against Data*.
- King, Tracy Holloway and Emily M. Bender. 2007. *Proceedings of the GEAF 2007 Workshop*. CSLI Studies in Computational Linguistics ONLINE. Stanford CA: CSLI Publications.
- Bender, Emily M., Dan Flickinger, Frederik Fouvry, and Melanie Siegel (eds). 2005. *Journal of Research on Language and Computation 3(2): Special Issue on Shared Representation in Multilingual Grammar Engineering*.
- Bender, Emily, Dan Flickinger, Frederik Fouvry, and Melanie Siegel (eds). 2003. *Proceedings of*

WORKING PAPERS/OTHER

- Forshay, Lance, Kristi Winter, and Emily M. Bender. 2016. Open letter to the Office of News and Information, University of Washington, regarding the coverage of the SignAloud project.
- Bender, Emily M. 2014. Obituary: Ivan A. Sag. *Computational Linguistics* 40(1):1–7.
- Fokkens, Antske, Emily M. Bender and Varvara Gracheva. 2012. LinGO Grammar Matrix Customization System Documentation. Online resource. <http://moin.delph-in.net/MatrixDocTop>
- Bender, Emily M. and Jeff Good. 2010. A Grand Challenge for Linguistics: Scaling Up and Integrating Models. Paper contributed to the NSF's SBE 2020 initiative.
- Bender, Emily M. and Sheila Bender. 2002. More than your English teacher ever told you. *Writing it Real*. Online: WritingItReal.com. 12 Sept 2002.
- Bender, Emily M. and Sheila Bender. 2002. More than your English teacher ever told you (Part II). *Writing it Real*. Online: WritingItReal.com. 14 Nov 2002.
- Bender, Emily. 1995. 'Gaikokugo toshite no nihongo no shuutoku ni okeru kanji no yakuwari ni tsuite [On the role of kanji in the acquisition of Japanese as a second language].' *Tohoku University Linguistics Journal* 4. pp. 179–191.

REFEREED PRESENTATIONS

- 2017** Levow, Gina-Anne, Emily M. Bender, Patrick Littell, Kristen Howell, Shobhana Chelliah, Joshua Crowgey, Dan Garrette, Jeff Good, Sharon Hargus, David Inman, Michael Maxwell, Michael Tjalve, and Fei Xia. 'STREAMLInED Challenges: Aligning Research Interests with Shared Tasks.' Paper presented at ComputEL-2: 2nd Workshop on Computational Methods for Endangered Languages, ICLDC 2017, Honolulu Hawai'i.
- 2017** Zamaraeva, Olga, František Kratochvíl, Emily M. Bender, Fei Xia and Kristen Howell. 'Computational Support for Finding Word Classes: A Case Study of Abui.' Paper presented at ComputEL-2: 2nd Workshop on Computational Methods for Endangered Languages, ICLDC 2017, Honolulu Hawai'i.
- 2017** Howell, Kristen, Emily M. Bender, Michael Lockwood, Fei Xia and Olga Zamaraeva. 'Inferring Case Systems from IGT: Impacts and Detection of Variable Glossing Practices.' Paper presented at ComputEL-2: 2nd Workshop on Computational Methods for Endangered Languages, ICLDC 2017, Honolulu Hawai'i.
- 2015** Bender, Emily M., Dan Flickinger, Stephan Oepen, Woodley Packard, and Ann Copestake. 2015. 'Layers of Interpretation: On Grammar and Compositionality.' Paper presented at the 11th International Conference on Computational Semantics (IWCS 2015), London.
- 2014** Zamaraeva, Olga and Emily M. Bender. 'Focus Case Outside of Austronesian: An Analysis of Yukaghir.' Paper presented at the 21st International Conference on Head-Driven Phrase Structure Grammar, Buffalo, NY.
- 2014** Packard, Woodley, Emily M. Bender, Jonathon Read, Stephan Oepen and Rebecca Dridan. 'Negation Scope Resolution through Deep Parsing: A Semantic Solution to a Semantic

Problem.’ Paper presented at *ACL 2014*, Baltimore, MD.

- 2014** Bender, Emily M. ‘Language COLLAGE: Grammatical Description with the LinGO Grammar Matrix.’ Poster presented at *Language Resources and Evaluation Conference*, Reykjavik, Iceland.
- 2014** Flickinger, Dan, Emily M. Bender and Stephan Oepen. ‘Towards an Encyclopedia of Compositional Semantics: Documenting the Interface of the English Resource Grammar.’ Presented at *Language Resources and Evaluation Conference*, Reykjavik, Iceland.
- 2014** Xia, Fei, William D. Lewis, Michael Wayne Goodman, Joshua Crowgey, and Emily M. Bender. ‘Enriching ODIN.’ Poster presented at *Language Resources and Evaluation Conference*, Reykjavik, Iceland.
- 2013** Fokkens, Antske and Emily M. Bender. ‘Time Travel in Grammar Engineering: Using a Metagrammar to Broaden the Search Space.’ In *Proceedings of the ESSLLI Workshop on High-Level Methodologies in Grammar Engineering*.
- 2013** Bender, Emily M., Michael Wayne Goodman, Joshua Crowgey and Fei Xia. ‘Towards Creating Precision Grammars from Interlinear Glossed Text: Inferring Large-Scale Typological Properties.’ In *Proceedings of the ACL 2013 workshop on Language Technology for Cultural Heritage, Social Sciences and Humanities*.
- 2013** Bender, Emily M., Fei Xia, Joshua Crowgey and Michael Wayne Goodman. 2013. ‘Towards Automatic Detection of Morphosyntactic Systems from IGT.’ Paper presented at the workshop Exploring Data from Language Documentation, ZAS Berlin, 10 May 2013.
- 2012** ‘Deriving a Lexicon for a Precision Grammar from Language Documentation Resources: A Case Study of Chintang.’ Paper presented at COLING 2012, Mumbai, India. With Robert Schikowski and Balthasar Bickel.
- 2012** ‘Getting More from Morphology in Multilingual Dependency Parsing.’ Paper presented at Human Language Technologies: The 2012 Annual Conference of the North American Chapter of the Association for Computational Linguistics, Montreal, Canada. With Matt Hohensee.
- 2012** ‘From IGT to precision grammar: French verbal morphology.’ Paper presented at the 86th Annual Meeting of the Linguistic Society of America, Portland OR. With David Wax and Michael Goodman.
- 2011** ‘Using Information Structure to Improve Transfer-based MT.’ Paper presented at the workshop on Information Structure in Formal Grammar at the 18th International Conference on Head-driven Phrase Structure Grammar, Seattle, WA. With Sanghoun Song.
- 2011** ‘Analysing Interacting Phenomena: Word Order and Negation in Basque.’ Paper presented at the 18th International Conference on Head-driven Phrase Structure Grammar, Seattle, WA. With Joshua Crowgey.
- 2011** ‘Parser Evaluation over Local and Non-Local Deep Dependencies in a Large Corpus.’ Paper to be presented at the 2011 Conference on Empirical Methods in Natural Language Processing, Edinburgh, UK. With Dan Flickinger, Stephan Oepen and Yi Zhang.
- 2011** ‘Annotating Social Acts: Authority Claims and Alignment Moves in Wikipedia Talk Pages’. Paper to be presented at the Workshop on Language in Social Media (LSM 2011). With Jonathan T. Morgan, Meghan Oxley, Mark Zachry, Brian Hutchinson, Alex Marin, Bin Zhang

and Mari Ostendorf.

- 2011** ‘Authority Claims as Identity Markers in Wikipedia Discussion Pages.’ Paper presented at the Georgetown University Round Table on Languages and Linguistics (GURT) 2011. With Jonathan T. Morgan, Meghan Oxley, Mark Zachry, and Brian Hutchinson.
- 2011** ‘From Database to Treebank: Enhancing a Hypertext Grammar with Grammar Engineering.’ Paper presented at the Conference on Electronic Grammaticography. University of Hawai’i.
- 2011** ‘Grammar Engineering Complements Language Documentation.’ Poster presented at the 2nd International Conference on Language Documentation & Conservation. University of Hawai’i.
- 2010** ‘Argument Optionality in the LinGO Grammar Matrix.’ Poster presented at the 22nd International Conference on Computational Linguistics (Coling 2010), Beijing, China. With Safiyah Saleem.
- 2010** ‘Grammar Prototyping and Testing with the LinGO Grammar Matrix Customization System.’ Software Demonstration at ACL 2010. With Scott Drellishak, Antske Fokkens, Michael Wayne Goodman, Daniel P. Mills, Laurie Poulson, and Safiyah Saleem.
- 2010** ‘What’s in a Word? Redefining the Morphotactic Infrastructure in the LinGO Grammar Matrix Customization System.’ Poster presented at the Morphology and Formal Grammar Workshop at HPSG 2010. With Michael Wayne Goodman.
- 2009** ‘Inflectional morphology in Turkish VP-coordination’. At HPSG 2009. With Antske Fokkens and Laurie Poulson.
- 2009** ‘Implementing a machine-translation interface for English-Lillooet.’ At the Workshop on American Indigenous Languages (WAIL 2009). With Joshua Hou.
- 2008** ‘Semantic representations of syntactically marked discourse status in crosslinguistic perspective.’ At Semantics in Systems for Text Processing STEP 2008. With David Goss-Grubbs.
- 2008** ‘Radical non-configurationality without shuffle operators.’ At HPSG 2008.
- 2008** ‘Building a flexible, collaborative, intensive master’s program in computational linguistics.’ At the Third Workshop on Issues in Teaching Computational Linguistics, ACL 2008:HLT. With Fei Xia and Erik Bansleben.
- 2008** ‘Evaluating a crosslinguistic grammar resource: A case study of Wambaya.’ ACL08:HLT.
- 2007** ‘Combining research and pedagogy in the development of a cross-linguistic grammar resource.’ Grammar Engineering across Frameworks 2007.
- 2007** ‘Validation and regression testing for a cross-linguistic grammar resource.’ ACL 2007 Workshop on Deep Linguistic Processing. With Laurie Poulson, Scott Drellishak and Chris Evans.
- 2006** ‘Typological coverage and descriptive precision in grammar engineering.’ Presented at the 28th annual meeting of the German Society for Linguistics (DGfS), Bielefeld, Germany. With Scott Drellishak, Dan Flickinger, and Jeff Good.
- 2005** ‘Rapid prototyping of scalable grammars: Towards modularity in extensions to a language-independent core.’ Poster presented at IJCNLP-05, Jeju Island, Korea. With Dan Flickinger.
- 2005** ‘A coordination module for a crosslinguistic grammar resource’. Presented at HPSG 2005. With Scott Drellishak.

- 2005** ‘Implementation for discovery: A bipartite lexicon to support morphological and syntactic analysis.’ Presented at CLS 41. With Jeff Good.
- 2005** ‘Semantic constraints on syntactic analyses of NPs in grammar engineering.’ Presented at the 79th annual meeting of the LSA, Oakland. With Scott Drellishak, Bill McNeill, and Laurie Poulson.
- 2005** ‘Implementing a syntax-morphology interface for Athabaskan.’ Presented at the 79th annual meeting of the LSA, Oakland, CA. With Jeff Good.
- 2005** ‘Implemented grammars for the rest of the world: The challenge of Slave.’ Presented at the annual meeting of SSILA, Oakland, CA. With Jeff Good.
- 2004** ‘Head initial constructions in Japanese.’ Alternate for presentation at HPSG 2004. With Melanie Siegel.
- 2004** ‘Semantic selection in a cross-linguistic framework.’ Presented at HPSG 2004. With Dan Flickinger.
- 2004** ‘The LinGO Grammar Matrix’ (software demonstration). presented at the 2004 E-MELD Summer Workshop on Linguistic Databases and Best Practice. With Dan Flickinger and Stephan Oepen.
- 2004** ‘Arboretum: Using a precision grammar for grammar checking in CALL.’ Presented at INSTIL/ICALL Symposium 2004, Venice, Italy. With Dan Flickinger, Stephan Oepen and Annemarie Walsh.
- 2004** ‘Montage: Leveraging Advances in Grammar Engineering, Linguistic Ontologies, and Mark-Up for the Documentation of Underdescribed Languages.’ Poster presented at the Workshop on First Steps for Language Documentation of Minority Languages: Computational Linguistic Tools for Morphology, Lexicon and Corpus Compilation, LREC 2004, Lisbon, Portugal. With Dan Flickinger, Jeff Good and Ivan A. Sag.
- 2004** ‘Road-testing the English Resource Grammar over the British National Corpus’. Poster presented at the Fourth International Conference on Language Resources and Evaluation (LREC-2004), Lisbon. With Timothy Baldwin, Dan Flickinger, Ara Kim and Stephan Oepen.
- 2004** ‘Implementing the syntax of Japanese Numeral Classifiers’. Presented at the First International Joint Conference on Natural Language Processing, Haikou, China. With Melanie Siegel.
- 2004** ‘Beauty and the beast: What running a broad-coverage precision grammar over the BNC taught us about the grammar – and the corpus’. Presented at the International Conference on Linguistic Evidence, Tübingen, Germany. With Timothy Baldwin, John Beavers, Dan Flickinger, Ara Kim, and Stephan Oepen.
- 2004** ‘Gap-less instrumental relative clauses in English’. Presented at the 78th annual meeting of the LSA, Boston. With John Beavers.
- 2003** ‘Compositional semantics in a multilingual grammar resource’. Presented at the Workshop on Ideas and Strategies for Multilingual Grammar Development, ESSLLI 2003, Vienna. With Dan Flickinger.
- 2002** ‘The Grammar Matrix: An open-source starter-kit for the rapid development of cross-linguistically consistent broad-coverage precision grammars’. Presented at the Grammar En-

- gineering and Evaluation Workshop, Coling 2002, Taipei, Taiwan. With Dan Flickinger and Stephan Oepen.
- 2002** ‘Efficient deep processing of Japanese’. Presented at the 3rd Workshop on Asian Language Resources and International Standardization, Coling 2002, Taipei, Taiwan. With Melanie Siegel.
- 2002** ‘Parallel distributed grammar engineering for practical applications’. Presented at the Grammar Engineering and Evaluation Workshop, Coling 2002, Taipei, Taiwan. With Stephan Oepen (lead author), Uli Callmeier, Dan Flickinger, and Melanie Siegel.
- 2002** ‘Number names in Japanese: A head-medial construction in a head-final language’ at the 76th annual meeting of the LSA, San Francisco.
- 2001** ‘A constructional analysis of *just because . . . doesn’t mean*’ presented at the First International Conference on Construction Grammar, Berkeley. With Andreas Kathol.
- 2001** ‘Just because the clause is finite doesn’t mean it has a subject’ presented at Berkeley Linguistics Society 27. With Andreas Kathol.
- 2001** ‘AAVE copula absence is not phonological deletion’ at the 75th annual meeting of the LSA, Washington DC.
- 2000** ‘Experience-based HPSG’ at the Berkeley Formal Grammar Conference 2000. With Susanne Riehemann.
- 2000** ‘Non-categorical constraints in perception’ at the 24th Penn Linguistics Colloquium.
- 1999** ‘Incorporating contracted auxiliaries in English’ at HPSG’99, Edinburgh, UK. With Ivan A. Sag.
- 1999** ‘Constructions and the distribution of predicative idioms’ at WCCFL XVIII, Tucson AZ. With Susanne Riehemann.
- 1999** ‘Deconstructing register: Null objects in English recipes revisited’ at the 23rd Penn Linguistics Colloquium.
- 1998** ‘Are there any side effects to that prescription?’ at NWAV(E) 27, Athens, Georgia.
- 1998** ‘Looks like a Trojan horse got into the argument structure’ at the Joint Conference on Formal Grammar, Head-Driven Phrase Structure Grammar, and Categorical Grammar, Saarbrücken, Germany. With Dan Flickinger.
- 1997** ‘No one’s forgotten the periphery, have they?’ at the International Conference on Head-Driven Phrase-Structure Grammar HPSG97, Ithaca NY. With Dan Flickinger.
- 1997** ‘Understanding Mandarin *bǎ* as a verb’ at the 71st meeting of the Linguistic Society of America, Chicago.
- 1996** ‘On the verbal status of Mandarin *bǎ*’ at the LFG Workshop and Colloquium, Grenoble, France.

INVITED PRESENTATIONS

- 2017** ‘The Mathematics of Language.’ UW Monthly Math Hour. March 12, 2017.

- 2016** Panelist, 1st Workshop on Representation Learning for NLP at ACL 2016.
- 2015** ‘On Sentence Meaning, Speaker Meaning, Compositionality and the Role of Grammar.’ Zettlemoyer Lab, UW CSE. November 4, 2015.
- 2015** Panel Discussion: ‘Implementation of Verbal Semantics in Computational Grammars.’ Affectedness Workshop 2015, Nanyang Technological University, Singapore. With Francis Bond and Sanghoun Song. August 14, 2015.
- 2015** ‘Computational Syntax and Endangered Language Documentation.’ Department of Linguistics Colloquium, University of Washington. May 8, 2015.
- 2014** ‘On Compositionality in Task-Independent Semantic Representations.’ Universität des Saarlandes, Germany. November 18, 2014.
- 2014** ‘On Compositionality in General Purpose Semantic Representations.’ LOWLANDS Semantic Annotation Workshop, Center for Sprogteknologi, Københavns Universitet, Denmark. August 13, 2014.
- 2014** ‘Partially Automated Grammar Engineering and Chintang.’ Seminar für Allgemeine Sprachwissenschaft, Universität Zürich, Switzerland. July 10, 2014.
- 2014** ‘Grammar Engineering for Language Documentation.’ SEMLING guest lecture, Aarhus Universitet, Denmark. June, 2014.
- 2013** ‘Predicting the Scope of Negation using Minimal Recursion Semantics.’ with Woodley Packard. 31st Quarterly MS/UW Symposium in Computational Linguistics. November, 2013.
- 2013** ‘Computing Meaning: What’s Semantics Got to Do with It?.’ CLUNCH (Computational Linguistics and Lunch) Seminar, University of Pennsylvania. September 2013. September 2013.
- 2013** ‘Computing Meaning: What’s Semantics Got to Do with It?.’ Center for Speech and Language Processing Seminar, Johns Hopkins University. September 2013.
- 2013** ‘Computational Linguistics: Multilingual Grammar Engineering.’ GEN ST 391D “Research Exposed!”, University of Washington. February, 2013.
- 2013** ‘Encoding and Deploying Linguistic Knowledge: The Grammar Matrix and AGGREGATION Projects.’ Language Technology Group research seminar, University of Oslo. February, 2013.
- 2012** ‘Multilingual Grammar Engineering with the LinGO Grammar Matrix.’ Poster presented at the LSA organized session ‘Tech Tools: Increasing Technology Training in the Curriculum of Graduate Students in Linguistics’. LSA Annual Meeting, Portland, OR. January 2012.
- 2011** ‘From IGT to Treebank for Language Documentation: An Example with Chintang [ctn].’ Paper presented at SILT Forum, Braneis University.
- 2009** ‘Computational methods for linguistic analysis: What a cyberinfrastructure could do for you, what you can do for a cyberinfrastructure.’ University of Washington, Department of Linguistics Colloquium. Seattle, WA. May 2009.
- 2009** Panelist, EACL 2009 workshop ‘The Interaction between Linguistics and Computational Linguistics: Virtuous, Vicious or Vacuous?’ Athens, Greece, March 2009.

- 2009** ‘Modern approaches to parsing: Symbolic and statistical.’ Tutorial presented in CSE 590AI, University of Washington, with Fei Xia. Seattle, WA, February 2009.
- 2009** ‘Validating analyses against data: Why syntax needs large scale validation.’ LSA Symposium on Computational Linguistics in the Service of Linguistic Analysis. San Francisco, CA, January 2009.
- 2009** ‘Computational linguistics in support of linguistic theory.’ LSA Plenary talk, with D. Terence Langendoen. San Francisco, CA, January 2009.
- 2008** ‘Multilingual grammar engineering with the Grammar Matrix: Crosslinguistic hypothesis testing.’ Computational Linguistics Colloquium. Universität des Saarlandes and DFKI Berlin, Germany, December 2008.
- 2008** ‘Computational linguistic typology: Computational methodology for combining typological and formal morphosyntactic analysis.’ Universität Leipzig, Germany, December 2008.
- 2008** Organized and moderated panel on curriculum design for the Third Workshop on Issues in Teaching Computational Linguistics, at ACL08:HLT (with Fei Xia), June 2008.
- 2008** ‘Extending our reach: Rapid course development & online course delivery using web conferencing,’ UW Symposium on Teaching and Learning 2008 (with Erik Bansleben), May 2008.
- 2007** ‘Computer-assisted syntactic modeling, with reference to Wambaya.’ Simon Fraser University, Department of Linguistics Colloquium, Burnaby, BC, November 2007
- 2007** ‘Computation in computational linguistics.’ Intel Corporation, Santa Clara, CA, August 2007.
- 2007** ‘MMT: Massively Multilingual Machine Translation using the Grammar Matrix.’ Demo presented at Grammar Engineering across Frameworks 2007, Stanford University. With Scott Drellishak, Margalit Zabludowski, and Stephan Oepen. July 2007.
- 2007** ‘Linguistic hypothesis testing with implemented grammars.’ Department of Linguistics Colloquium, University at Buffalo, The State University of New York, April 2007.
- 2007** ‘The state of the art in computational linguistics: How to get at information encoded in natural language.’ Amazon Developer’s Conference, Seattle WA, January 2007.
- 2006** ‘The Grammar Matrix: A crosslinguistic resource to promote grammar engineering for linguistic hypothesis testing’. Keynote address. Texas Linguistics Society X. Austin TX, November 2006.
- 2006** ‘Grammar engineering for crosslinguistic hypothesis testing.’ University of Washington, Department of Linguistics Colloquium, October 2006.
- 2006** ‘Computational linguistics, or: What can computers do with language?’ Puget Sound Business Intelligence Group, June 2006.
- 2006** ‘Typological configuration of starter grammars based on the LinGO Grammar Matrix’ Demo at 8th Quarterly Microsoft-UW Symposium in Computational Linguistics. With Scott Drellishak and Dan Flickinger. June 2006.
- 2005** ‘Crosslinguistic resources for the rapid development of precision computational grammars’ at the University of Washington, Computer Science and Engineering Colloquium, May 2005.
- 2005** ‘A new research center in computational linguistics.’ Poster presented at the 6th Mi-

- crosoft/UW Symposium on Computational Linguistics. With Oren Etzioni and Jonathan Pool. April 2005.
- 2005** ‘Classifying sentences based on string and morphosyntactic similarity to facilitate data analysis in documentary linguistics.’ Poster presented at the 6th Microsoft/UW Symposium on Computational Linguistics. With Jeff Good and Laurie Poulson. April 2005.
- 2005** ‘Computational linguistics/Natural language processing: What can text do for you?’ at Amazon.com.
- 2004** ‘The lexicon in the LinGO Grammar Matrix: Cross-linguistic hypotheses about words’ at the University of Washington, Department of Linguistics Colloquium, February 2004.
- 2003** ‘The syntax-semantics interface in the LinGO grammar matrix’ at Microsoft. With Dan Flickinger and Stephan Oepen.
- 2003** ‘On the syntax-socio interface: Implications of sociolinguistic variation for competence grammar’ at Georgetown University.
- 2003** ‘Grammar checking in the arboretum: Finding and curing trees’ at the Microsoft/University of Washington Symposium, University of Washington, October 2003.
- 2002** ‘Corpus methods for sociolinguistics’, workshop given at NAWAV 31, Stanford University, October 2002.
- 2002** ‘Compositional semantics at work: MRS in an HPSG for Japanese’ at the University of Washington.
- 2001** ‘Grammar development in the LKB system’ at the University of California, Berkeley.
- 2001** ‘What underlies non-categorical grammatical constraints on variation? A case study of AAVE variable copula absence’ at University of Colorado, Boulder.
- 2000** ‘What copula absence tells us about linguistic competence’ at University of California, Berkeley.
- 2000** ‘The fuzzy boundaries of competence grammar’ at Cornell University.
- 2000** ‘Motivating an empty category: Copulaless sentences in AAVE’ at the University of Minnesota.
- 1999** ‘Tag questions and the LinGO grammar’ at Simon Fraser University. With Dan Flickinger.
- 1996** ‘Integrating kanji into the Japanese language curriculum’ at the University of California, Berkeley.

TUTORIALS

- 2016** ‘English Resource Semantics’ at NAACL 2016. With Dan Flickinger and Woodley Packard.
- 2012** ‘100 Things You Always Wanted to Know about Linguistics But Were Afraid to Ask’ at NAACL 2012.
- 2010** ‘The LinGO Grammar Matrix: Rapid Grammar Development for Hypothesis Testing’ at HPSG 2010. With Antske Fokkens.
- 2010** ‘Grammar Customization with the LinGO Grammar Matrix’ at LREC 2010. With Antske

Fokkens and Safiyyah Saleem.

RESEARCH ASSISTANTSHIPS

- 1996-1999** Linguistic Grammars Online project (associated with the *Verbmobil* machine translation project), Stanford University. Responsibilities included development, implementation, and documentation of an HPSG for English.
- 1992** Berkeley Restaurants speech recognition project, International Computer Science Institute, Berkeley CA. Responsibilities included elicitation of natural language data in a Wizard of Oz experiment, transcription of the data, and alignment of the transcription with the speech signal.

TEACHING EXPERIENCE

- Introduction to Syntax for Computational Linguistics (annually since 2005, UW)
- Knowledge Engineering for NLP (annually since 2004 except 2011, UW)
- Introduction to Computational Linguistics (2017, 2015, 2012, 2008, 2004, 2003; UW)
- Seminar (WI 2017): Ethics in NLP, UW.
- Seminar (WI 2015): Computational Methods in Endangered Language Documentation, UW.
- Seminar (WI 2014, SP 2016): MRS in Applications, UW.
- Seminar (SP 2013): Semantic Representations, UW.
- Seminar (SP 2012): Computational Methods in Linguistic Analysis, UW. Co-taught with Alicia Beckford Wassink.
- Seminar (WI 2010): Information Structure in Computational Syntax, UW.
- Seminar (SP 2009): Computational Linguistics and Linguistic Typology, UW.
- Seminar (SP 2008): Lexical Acquisition for Precision Grammars, UW.
- Precision Grammar Implementation for Linguistic Hypothesis Testing, LSA Linguistic Institute (Stanford, Summer 2007). Co-taught with Dan Flickinger and Stephan Oepen.
- Seminar (WI 2007): Quantification, Semantic Representations, and the Syntax-Semantics Interface, UW.
- Head-Driven Phrase Structure Grammar, LSA Linguistic Institute (MIT/Harvard, Summer 2005). Co-taught with Ivan Sag and Thomas Wasow.
- Seminar (AU 2004): Computational Morphology, UW.
- Seminar (SP 2004): Statistical Methods in NLP, UW.
- Syntax I (undergraduate), UW (WI 2004)
- Language in Society (undergraduate), Stanford (SP 2003; Writing in the Major course; service learning course).
- Introduction to Linguistics (undergraduate), Stanford (WI 2003)

Introduction to Syntax (undergraduate), Stanford (AU 2002)(co-taught with Thomas Wasow).
Introduction to Syntax and Semantics (undergraduate), UC Berkeley (SP 2001)
Syntax and Semantics II (graduate seminar), UC Berkeley (SP 2001)
Sociolinguistic Variation (graduate seminar), UC Berkeley (AU 2000)
Corpus-Based Syntax (graduate seminar), UC Berkeley (AU 2000)

PHD STUDENTS – CHAIR OF COMMITTEE

Angelina McMillan-Major, Linguistics, admitted Autumn 2017
Kristen Piepgrass, Linguistics, admitted Autumn 2015
Woodley Packard, Linguistics, admitted Spring 2015
Olga Zamaraeva, Linguistics, admitted Autumn 2014
David Inman, Linguistics, passed general exam November 2016
Ned Letcher, University of Melbourne (co-chair)
Glenn Slayden, Linguistics, passed general exam February 2015
Joshua Crowgey, Linguistics, passed general exam September 2014
Michael Goodman, Linguistics, passed general exam November 2012
Antske Fokkens, Saarland University, PhD completed November 2014 (co-chair)
Sanghoun Song, Linguistics, PhD completed December 2013
Steven Moran, Linguistics, PhD completed November 2012 (co-chair)
David Goss-Grubbs, Linguistics, PhD completed June 2010
Scott Drellishak, Linguistics, PhD completed June 2009; UW nomination for WAGS/UMI Innovation in Technology Award

PHD STUDENTS – MEMBER OF THE READING COMMITTEE

Leanne Rolston, Linguistics
Alexander Sugar, Linguistics, passed general exam February 2016
Rik Koncel-Kedziorski, Linguistics, passed general exam October 2016
Prescott Klassen, Linguistics, PhD completed Summer 2016
Russell Hugo, Linguistics, PhD completed Winter 2016
Alex Marin, Electrical Engineering, PhD completed Winter 2015
Bin Zhang, Electrical Engineering, PhD completed Winter 2013
Ryan Georgi, Linguistics, PhD completed Summer 2016
Jeremy Kahn, Linguistics, PhD completed Autumn 2010
Lesley Carmichael, Linguistics, PhD completed Spring 2005

PHD STUDENTS – EXTERNAL COMMITTEE MEMBER

Thomas Mayer, U. Konstanz, Germany, passed defense January 2012

PHD STUDENTS – GRADUATE SCHOOL REPRESENTATIVE

Kenton Lee, Computer Science & Engineering

Eunsol Choi, Computer Science & Engineering

Adrienne Wang, Computer Science & Engineering, passed defense November 2015

Xiao Ling, Computer Science & Engineering, passed defense September 2015

Laura Effinger-Dean, Computer Science & Engineering, passed defense July 2012

Alan Ritter, Computer Science & Engineering, passed defense May 2013

Marc Brennan, Speech and Hearing Sciences, passed defense December 2010

Stephanie Bor, Speech and Hearing Sciences, passed defense February 2009

MA/MS STUDENTS – CHAIR OF THE COMMITTEE

Elizabeth Nielsen, Linguistics (CLMS), admitted Autumn 2016

Michael Haeger, Linguistics (CLMS), admitted Autumn 2016

Laurie Dermer, Linguistics (CLMS), admitted Autumn 2014

Chris Curtis, Linguistics (CLMS), admitted Autumn 2012

Michael Lockwood, Linguistics (CLMS), MS thesis completed Winter 2016

Woodley Packard, Linguistics (CLMS), MS thesis completed March 2015

TJ Trimble, Linguistics (CLMS), MS thesis completed December 2014

David Wax, Linguistics (CLMS), MS thesis completed March 2014

Megan Schneider, Linguistics (CLMS), MS thesis completed September 2013

Varvara Gracheva, Linguistics, MA thesis completed June 2013

Zinaida Pozen, Linguistics (CLMS), MS thesis completed April 2013

Joshua Crowgey, Linguistics, MA thesis completed December 2012

Francesca Gola, Linguistics (CLMS), MS thesis completed June 2012

Glenn Slayden, Linguistics (CLMS), MS thesis completed June 2012

Matt Hohensee, Linguistics (CLMS), MS thesis completed March 2012

Safiyah Saleem, Linguistics (CLMA), MA thesis completed June 2010

Michael Goodman, Linguistics (CLMA), MA thesis completed August 2009

Kelly O'Hara, Linguistics (CLMA), MA thesis completed October 2008

Laurie Poulson, Linguistics, MA thesis completed June 2006

MA STUDENTS – MEMBER OF THE READING COMMITTEE

Margaret Mitchell, Linguistics (CLMA), MA thesis completed, October 2008

Michael Tepper, Linguistics, MA thesis completed, December 2007

Zhengbo Zhou, Linguistics (CLMA), MA project completed, December 2007

Bill McNeill, Linguistics, MA thesis completed, September 2006

David Goss-Grubbs, Linguistics, MA thesis completed, December 2005

Jeremy Kahn, Linguistics, MA thesis completed, August 2005

MS STUDENTS – INTERNSHIP/PROJECT OPTION

Anthony Princing, Linguistics (CLMS), MS project completed Spring 2016

Joshua Cason, Linguistics (CLMS), MS internship completed Summer 2016

BA/BS STUDENTS

Ben Peters, BA honors advisor

Joshua Hou, BA honors thesis advisor

Kelsey Hutchins, “Engineering a precision grammar for Hausa”, Undergraduate Research Symposium 2007

ACADEMIC SERVICE: CONFERENCE AND WORKSHOP ORGANIZATION

2018 Program Committee co-Chair, Coling 2018

2014– Member, International Committee on Computational Linguistics (organizers of Coling)

2014–2017 ACL 2017 organizing committee

2017 Co-organizer, Workshop on Building Linguistically Generalizable NLP Systems at EMNLP 2017, Copenhagen, Denmark, September 2017.

2017 Co-organizer, Workshop on Ethics in NLP at EACL 2017, Valencia, Spain, April 2017.

2015 Co-organizer, Grammar Engineering Across Frameworks (GEAF) 2015 workshop at ACL-IJCNLP, Beijing, China, July 2015.

2015 ACL-IJCNLP-2015 Student Research Workshop Faculty Advisor

2014 Co-organizer, DELPH-IN Summit, Lisbon, Portugal, July 2014.

2013 Co-organizer, DELPH-IN Summit, St. Wendel, Germany, July 2013.

2011 Local chair, HPSG conference, Seattle, August 2011.

2011 Local chair, DELPH-IN Summit, Seattle, June 2011.

2010 Co-organizer, DELPH-IN Summit, Paris, France, July 2010.

2009 Co-organizer, DELPH-IN Summit, Barcelona, Spain, July 2009.

- 2009** Organizer, Cyberling 2009: Towards a Cyberinfrastructure for Linguistics, Berkeley CA, July 2009.
- 2009** Co-organizer, LSA plenary session on computational linguistics in the service of linguistic analysis. San Francisco, CA, January 2009.
- 2007** Organizing Committee, Toward the Interoperability of Linguistic Resources, Stanford CA, July 2007.
- 2007** Co-organizer, Grammar Engineering Across Frameworks 2007, LSA Linguistic Institute, Stanford CA, July 2007.
- 2006** Co-organizer, DELPH-IN Summit, Fefor, Norway, June 2006.
- 2006** Co-organizer, Digital Tools Summit Linguistics, East Lansing MI, June 2006.
- 2005** Co-organized DELPH-IN Summit, Lisbon, Portugal, August 2005.
- 2003** Co-organizer, ESSLLI 2003 Workshop: Ideas and Strategies for Multilingual Grammar Development, Vienna, Austria, August 2003.

ACADEMIC SERVICE: AREA CHAIR/SENIOR PC

- 2015** Program Committee Chair, HPSG 2015
- 2014** Area co-chair, Linguistic Issues in CL and NLP, COLING 2014
- 2013** Area co-chair, Language Resources, EMNLP 2013
- 2011** Area chair, Language Resources, EMNLP 2011
- 2010** Area chair, Syntax and Grammar, COLING 2010
- 2006** Senior Program Committee member, Syntactic Resources, Grammar and Parsing, HLT-NAACL 2007

ACADEMIC SERVICE: CONFERENCE/WORKSHOP REVIEWING

- CSSP** 2017
- ICON** 2016
- NASSLLI** 2016, 2014, 2012
- *SEM** 2015
- NAACL-HLT** 2016*, 2015*, 2013, 2012, 2010
- IWCS** 2017, 2015
- EMNLP** 2017, 2015, 2014
- WCCFL** 2017, 2014, 2004, 2003
- ACL** 2013
- NoDaLiDa** 2013
- COLING** 2012

LREC 2016, 2014, 2012

HPSG 2017, 2014, 2013, 2012, 2011, 2010, 2007, 2006, 2005, 2001

HeadLex 2016

NW-NLP 2016, 2014, 2012, 2010

IJCNLP 2011, 2005, 2004

PACLING 2011, 2009, 2007

TAG+ 2010

EACL 2009

GEAF 2009, 2008

LSA 2007

TLT 2015, 2006, 2005, 2004

* indicates inclusion on the list of ‘best reviewers’ for the conference.

ACADEMIC SERVICE: WORKSHOP REVIEWING

2017 Program committee, Computational Semantics Beyond Events and Roles (SemBEaR) Workshop collocated with EACL 2017.

2016 Program committee, 2nd Workshop on Computational Methods for Endangered Languages, at ICLDC 2017.

2016 Program committee, Corpus Linguistics Fest (CLiF), Indiana University

2016 Program committee, DSALT: Distributional Semantics and Linguistic Theory (at ESLLI 2016)

2015 Program committee, Workshop on Computational Methods for Descriptive and Theoretical Morphology at 2016 International Morphology Meeting

2015 Program committee, ExProM Workshop at NAACL 2015

2014 Program committee, ComputEL workshop at ACL 2014

2013 Program committee, Inconsistency Robustness 2014

2013 Program committee, HMGE 2013

2012 Program committee, FreeRBMT12

2012 Program committee, LAW VI, ACL 2012

2012 Program committee, ACL 2012 Special Session

2011 Program committee, Workshop on Language Resources, Technology and Services in the Sharing Paradigm at IJCNLP 2011

2010 Program committee, Workshop on Advanced Corpus Solutions, PACLIC

2010 Program committee, Workshop on Morphology and Formal Grammar at HPSG 2010

2009 Program committee, GEAF 2009

- 2008** Program committee, GEAF 2008
- 2007** Program committee, IJCNLP 2008 Workshop on NLP for Less Privileged Languages
- 2007** Program committee, ACL 2007 Workshop on Deep Linguistic Processing
- 2007** Reviewer, 2nd International Workshop on Typed Feature Structure Grammar
- 2006** Reviewer for IJCAI 2007 Workshop on Modeling and Representation in Computational Semantics
- 2006** Reviewer for Texas Linguistics Society X
- 2000** Reviewer for the International Cognitive Linguistics Conference, ICLC 2001

ACADEMIC SERVICE: JOURNAL AND BOOK REVIEWING

- 2016–** Member of the Editorial Board for *Journal of South Asian Linguistics*
- 2015–2016** Reviewer for *Journal of Linguistics*
- 2016** Reviewer for *Computational Linguistics*
- 2013–2015** Member of the Editorial Board for *Computational Linguistics*
- 2014, 2016** Reviewer for *Journal of Language Modeling*
- 2014** Reviewer for *Lingua*
- 2012–** Member of the Editorial Board for *Linguistic Research*
- 2012–2018** Reviewer for *Transactions of the Association for Computational Linguistics* (member of the standing reviewer team)
- 2014** Reviewer for *Transactions on Asian Language Information Processing*
- 2012** Reviewer for *Computational Linguistics*
- 2012–** Associate Editor, Text, Speech and Language Technology series, Springer
- 2010–** Member of the Editorial Board *Language Resources and Evaluation*
- 2011** Reviewer for *Proceedings of the Conference on Electronic Grammaticography*
- 2011** Reviewer for *Journal of Linguistics*
- 2011** Reviewer for *Language Documentation & Conservation*
- 2010** Reviewer for *Constructions and Frames*
- 2009** Reviewer for *Linguistic Issues in Language Technology*
- 2009** Reviewer for *Research on Language and Computation*
- 2009** Reviewer for *Computational Linguistics*
- 2009** Reviewer for *Language*
- 2007** Reviewer for *Natural Language and Linguistic Theory*
- 2007** Reviewer for *Journal of Linguistics*
- 2006** Reviewed book proposal for Macmillan
- 2006** Reviewed manuscript for Oxford University Press

- 2006** Reviewer for *Cognitive Linguistics*
2005 Reviewer for *Journal of Research on Language and Computation*
2004 Reviewer for *Journal of Linguistics*
2003 Reviewer for *Language*
2000 Reviewer for Cann, Ronnie, Claire Grover and Philip Miller, eds. *Grammatical Interfaces in HPSG*, Stanford: CSLI.

ACADEMIC SERVICE: FUNDING AGENCY REVIEWING

- 2016** Reviewer for Israel Science Foundation
2013 Panelist for NSF
2012 Reviewer for NSF
2012 Reviewer for European Research Council
2012 Reviewer for UW Royalty Research Fund
2011 Reviewer for NSF
2010 Reviewer, Small Grants Application, Institute of Translational Health Sciences
2009 Rapporteur for Economic & Social Research Council (UK)
2009 Reviewer for NSF
2009 Reviewer for Agence Nationale de la Recherche (France), Programme Jeunes Chercheuses et Jeunes Chercheurs
2008 Reviewer for NSF
2008 Reviewer for UW Royalty Research Fund
2007 Reviewer for NSF
2004 Reviewer for NSF
2003 Reviewer for UW Royalty Research Fund
2003 Reviewer for NSF

ACADEMIC SERVICE: OTHER

- 2016–2017** Chair, Executive Board, North American Chapter of the Association for Computational Linguistics (NAACL), elected position
2016 Member, external review committee, Department of Linguistics, Simon Fraser University
2014– Member, LSA Committee on Scholarly Communication in Linguistics (CoSciL)
2013– Media Expert, Computational Linguistics, Linguistic Society of America
2012–2015 Member, Executive Board, North American Chapter of the Association for Computational Linguistics (NAACL), elected position

2013 Chair, Technology Advisory Committee, Linguistic Society of America (incoming chair 2012, immediate past chair 2014)

2012– Member, PanLex Steering Committee, Long Now Foundation

2011– Member, Professional Outreach Committee, LSA

2009–2011 Scientific advisory board member, Sustainable Interoperability of Language Technology (SILT)

2008– LSA’s Delegate to ACL

2008–2014 Ex-officio member of LSA’s Technology Advisory Committee

2005–2011 Director and Vice President (2005–2006) and Secretary (2006–2011), Utilika Foundation

2004– DELPH-IN standing committee.

2003–2013, 2015–2016 HPSG Standing Committee.

2007–2010 Program Committee member, North American Computational Linguistics Olympiad (NSF sponsored)

2005 Volunteer, 2005 UW Breath of Life

1999 Graduate student representative to the provost selection committee, Stanford University.

1997–1998 Admissions committee member, Linguistics Department, Stanford University.

1996–1997 Graduate Student Representative, Linguistics Department, Stanford University.

1995–1997 Co-coordinator for the Stanford Linguistics Department Colloquium.

SERVICE AT UW

2015–2016 Member, Linguistics Fund Committee

2013– Chair, UW Committee on Immersion Language Education

2005– Faculty director, Professional Masters in Computational Linguistics

2004– Lab director, Computational Linguistics Laboratory

2014–2016 Graduate Excellence Award Committee, Department of Linguistics

2015–2016 Linguistics Fund Committee, Department of Linguistics

2006–2007, 2011–2014 Ad hoc task force on minority recruitment and retention, Department of Linguistics

2013 Member, Tenure and Promotion Committee for Gina-Anne Levow

2012 Chair, Promotion Committee for Lance Forshay

2011–2012 Member, Two Years Two Decades Initiative (2y2d) Teaching and Learning in the 21st Century Pedagogy Working Group

2011–2012 Member, Teaching & Learning in the 21st Century, Pedagogy Working Group

2009–2010 Chair, computational linguistics search committee

2006– Advisory Board, Certificate in Business Intelligence, Educational Outreach

2011-2012 Member, ad hoc committee on resources, Department of Linguistics
2010 Member, ad hoc committee on TA selection process, Department of Linguistics
2009 Review Committee member, NLP faculty search, Department of Medical Information and Biomedical Informatics
2005– Advisory Board, Turing Center, Department of Computer Science and Engineering, University of Washington
2005– Events Committee, Turing Center
2005 Search committee, UWEO Associate Director
2005–2013, 2015–2016 Admissions, CLMS
2004–2005 Chair, computational linguistics search committee
2004–2007 Microsoft/UW Quarterly Symposium in Computational Linguistics organizing committee

PROFESSIONAL DEVELOPMENT

2016 GRDSCH 637A Microaggressions: Living Just Relationships
2012 UW Center for Teaching and Learning Faculty and Professional Learning Community (FPLC) on Social Media

LANGUAGES

French near native.

Japanese spoken: near native, written: advanced.

Mandarin spoken: intermediate, written: intermediate.

American Sign Language intermediate.

Malayalam beginning.

German beginning.

MEMBERSHIPS

Association for Computational Linguistics

Linguistic Society of America

Society for the Study of the Indigenous Languages of the Americas

American Association for the Advancement of Science

June, 2017