Markus Dickinson
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Professional Experience

Positions

- Associate Professor, Department of Linguistics, Indiana University, 2007-present (Assistant Professor: 2007-2013; Associate Professor: 2013-present).

    - Voting Member of the Cognitive Science Program
    - Adjunct, School of Informatics and Computing

- Visiting Assistant Professor, Department of Linguistics, Georgetown University, 2005-2007.
- Graduate Teaching Associate, Department of Linguistics, The Ohio State University, Winter-Spring 2004.
- Graduate Research Associate, Department of Linguistics, The Ohio State University, Autumn 2003 (with Chris Brew and Detmar Meurers).

Grants

- Co-PI, IU Faculty Research Support Program. *Construction of a Linguistic Corpus and Ontology for Comparative Analysis of Networks* (with Armando Razo), June 2014-March 2015.
- PI, Google Research Award. *From parsing YouTube comments to identifying degrees of humor* (with Sandra Kuebler), August 2012-July 2013.
- PI, Grant-in-Aid, Indian University Office of the Vice Provost for Research (OVPR). *Annotating a corpus of English learner language.*
- PI, Google Research Award. *Identifying hateful text on YouTube* (with Sandra Kuebler), September 2011-August 2012.
- Data To Insight Center (D2I) / Institute for Digital Arts and Humanities (IDAH), Indiana University. *Developing a Model for the Automatic Analysis of Hebrew Learners' Proficiency (MAP-H)* (PI Sandra Kübler), January-December 2011.
- U.S. Department of Education. *US-Russia Global Environmental Issues Research and Study Program* (PI Vicky Meretsky), September 2009-August 2010.
- U.S. Department of Education Fund for the Improvement of Postsecondary Education, grant P116S070001, *Russia Advanced Language/Global Public Health* (PI Ronald Feldstein), November 2007-November 2009.
- Indiana Economic Development Corporation (IEDC) 21st Century Fund, *InfraWare Dictation Recognition Engine*, June 2008-July 2009.
- Co-PI, NSF Grant IIS-0623837, *Exploration of Error Detection and Correction in Corpus Annotation* (with PI Detmar Meurers and RA Adriane Boyd), April 2006-December 2007.

- Researcher, The Ohio State University seed grant, *From Corpus Resources to Linguistic Phenomena: Using Computational Linguistics Tools to Access Relevant Data for Linguistics*, Winter 2002 (with Detmar Meurers).

Education

- 2005: PhD in Linguistics, The Ohio State University
    - Dissertation Title: *Error detection and correction in annotated corpora*
    - Dissertation Committee: W. Detmar Meurers, Chris Brew, Robert Levine
- 2002: MA in Linguistics, The Ohio State University
- 2000: BA in Linguistics, The University of Illinois at Urbana-Champaign

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Publications

Books

2012

[B1] Markus Dickinson, Chris Brew, and Detmar Meurers (2012). *Language and Computers*. West Sussex, UK: Wiley-Blackwell.

Journal Articles

forthcoming

[J8] Detmar Meurers and Markus Dickinson (forthcoming). Evidence and Interpretation in Language Learning Research: Opportunities for Collaboration with Computational Linguistics. *Language Learning. Special Issue on Language learning research at the intersection of experimental, corpus-based and computational methods.*

2016

[J7] Sun-Hee Lee, Markus Dickinson, and Ross Israel (2016). Challenges of Learner Corpus Annotation: Focusing on Korean Learner Language Analysis (KoLLA) System. *Language Facts and Perspectives*, 38, pp. 221–251.

2015

[J6] Markus Dickinson (2015). Detection of annotation errors in corpora. *Language and Linguistics Compass*, 9 (3), pp. 119–138.

2011

[J5] Markus Dickinson (2011). On Morphological Analysis for Learner Language, Focusing on Russian. *Research on Language and Computation*, 8 (4), pp. 273–298.

[J4] Markus Dickinson (2011). Detecting Ad Hoc Rules for Treebank Development. *Linguistic Issues in Language Technology (LiLT)*, 4 (3), pp. 1–47.

2009

[J3] Markus Dickinson and Chong Min Lee (2009). Modifying Corpus Annotation to Support the Analysis of Learner Language. *CALICO Journal*, 26 (3). pp. 545–561.

2008

[J2] Adriane Boyd, Markus Dickinson, and Detmar Meurers (2008). On Detecting Errors in Dependency Treebanks. *Research on Language and Computation*. 6 (2), pp. 113-137.

[J1] Markus Dickinson, Soojeong Eom, Yunkyoung Kang, Chong Min Lee, and Rebecca Sachs (2008). A balancing act: how can intelligent computer-generated feedback be provided in learner-to-learner interactions? *Computer Assisted Language Learning*. 21 (5), pp. 369-382.

Refereed Conference Articles
forthcoming

[C57] Laura Zweig, Can Liu, Misato Hiraga, Mandy Reed, Michael Czerniakowski, Markus Dickinson, and Sandra Kübler (forthcoming). FunTube: Annotating Funniness in YouTube Comments. *Proceedings of the Workshop on Corpora in the Digital Humanities (CDH)*.

[C56] Markus Dickinson and Amber Smith (forthcoming). Simulating Dependencies to Improve Parse Error Detection. *Proceedings of the 15th International Workshop on Treebanks and Linguistic Theories (TLT15)*.

2016

[C55] Anthony Meyer and Markus Dickinson (2016). A Multilinear Approach to the Unsupervised Learning of Morphology. *Proceedings of the 14th Annual SIGMORPHON Workshop on Computational Research in Phonetics, Phonology, and Morphology*. Berlin. pp. 131–140.

[C54] Levi King and Markus Dickinson (2016). Shallow Semantic Reasoning from an Incomplete Gold Standard for Learner Language. *Proceedings of the 11th Workshop on Innovative Use of NLP for Building Educational Applications*. San Diego, CA. pp. 112–121.

[C53] Scott Ledbetter and Markus Dickinson (2016). Cost-Effectiveness in Building a Low-Resource Morphological Analyzer for Learner Language. *Proceedings of the 11th Workshop on Innovative Use of NLP for Building Educational Applications*. San Diego, CA. pp. 206–216.

2015

[C52] Markus Dickinson and Marwa Ragheb (2015). On Grammaticality in the Syntactic Annotation of Learner Language. *Proceedings of The 9th Linguistic Annotation Workshop*. Denver, CO. pp. 158-167.

[C51] Scott Ledbetter and Markus Dickinson (2015). Automatic morphological analysis of learner Hungarian. *Proceedings of the Tenth Workshop on Innovative Use of NLP for Building Educational Applications*. Denver, CO. pp. 31-41.

2014

[C50] Marwa Ragheb and Markus Dickinson (2014). Developing a Corpus of Syntactically-Annotated Learner Language for English. In *Proceedings of the 13th International Workshop on Treebanks and Linguistic Theories (TLT13)*. Tübingen, Germany. pp. 292–300.

[C49] Amber Smith and Markus Dickinson (2014). Evaluating Parse Error Detection across Varied Conditions. In *Proceedings of the 13th International Workshop on Treebanks and Linguistic Theories (TLT13)*. Tübingen, Germany. pp. 230–241.

[C48] Marwa Ragheb and Markus Dickinson (2014). The Effect of Annotation Scheme Decisions on Parsing Learner Data. In *Proceedings of the 13th International Workshop on Treebanks and Linguistic Theories (TLT13)*. Tübingen, Germany. pp. 137–148.

[C47] Markus Dickinson and Amber Smith (2014). Finding Parse Errors in the Midst of Parse Errors. In *Proceedings of the 13th International Workshop on Treebanks and Linguistic Theories (TLT13)*. Tübingen, Germany. pp. 26–36.

[C46] Levi King and Markus Dickinson (2014). Leveraging Known Semantics for Spelling Correction. In *Proceedings of the Third Workshop on NLP for Computer-Assisted Language Learning*. Uppsala, Sweden. *NEALT Proceedings Series* 22 / *Linköping Electronic Conference Proceedings* 107. pp. 43–58.

[C45] Alex Rudnick, Levi King, Can Liu, Markus Dickinson, and Sandra Kübler (2014). IUCL: Combining Information Sources for SemEval Task 5. In *Proceedings of the 8th International Workshop on Semantic Evaluation (SemEval 2014)*. Dublin, Ireland. pp. 356–360.

2013

[C44] Ross Israel, Markus Dickinson, and Sun-Hee Lee (2013). Detecting and Correcting Learner Korean Particle Omission Errors. In *Proceedings of the 6th International Conference on Natural Language Processing (IJCNLP-13)*. Nagoya, Japan. pp. 1419–1427.

[C43] Mohammad Khan, Markus Dickinson, and Sandra Kübler (2013). Towards Domain Adaptation for Parsing Web Data. In *Proceedings of the 9th Conference on Recent Advances in Natural Language Processing (RANLP-13)*. Hissar, Bulgaria. pp. 357–364.

[C42] Sun-Hee Lee, Markus Dickinson, and Ross Israel (2013). Corpus-based error analysis of Korean particles. In *Proceedings of Learner Corpus Research (LCR) 2011: "20 years of learner corpus research: looking back, moving ahead"*. Louvain-la-Neuve, Belgium. pp. 289–299.

[C41] Mohammad Khan, Markus Dickinson, and Sandra Kübler (2013). Does Size Matter? Text and Grammar Revision for Parsing Social Media Data. In *Proceedings of the Workshop on Language Analysis in Social Media*. Atlanta, GA. pp. 1–10.

[C40] Levi King and Markus Dickinson (2013). Shallow Semantic Analysis of Interactive Learner Sentences. In *Proceedings of the Eighth Workshop on Innovative Use of NLP for Building Educational Applications*. Atlanta, GA. pp. 11–21.

[C39] Marwa Ragheb and Markus Dickinson (2013). Inter-annotator Agreement for Dependency Annotation of Learner Language. In *Proceedings of the Eighth Workshop on Innovative Use of NLP for Building Educational Applications*. Atlanta, GA. pp. 169–179.

2012

[C38] Martin Chodorow, Markus Dickinson, Ross Israel, and Joel Tetreault (2012). Problems in Evaluating Grammatical Error Detection Systems. In *Proceedings of the 24th International Conference on Computational Linguistics (COLING 2012)*. Mumbai, India. pp. 611–628.

[C37] Marwa Ragheb and Markus Dickinson (2012). Defining Syntax for Learner Language Annotation. In *Proceedings of the 24th International Conference on Computational Linguistics (COLING 2012), Poster Session*. Mumbai, India. pp. 965–974.

[C36] Sun-Hee Lee, Markus Dickinson, and Ross Israel (2012). Developing Learner Corpus Annotation for Korean Particle Errors. In *Proceedings of the 6th Linguistic Annotation Workshop (LAW VI)*. Jeju, South Korea. pp. 129–133.

[C35] Soojeong Eom, Markus Dickinson, and Rebecca Sachs (2012). Sense-Specific Lexical Information for Reading Assistance. In *Proceedings of the 7th Workshop on Innovative Use of NLP for Building Educational Applications*. Montreal, Canada. pp. 316–325.

[C34] Markus Dickinson, Sandra Kübler, and Anthony Meyer (2012). Predicting Learner Levels for Online Exercises of Hebrew. In *Proceedings of the 7th Workshop on Innovative Use of NLP for Building Educational Applications*. Montreal, Canada. pp. 95–104.

[C33] Markus Dickinson and Scott Ledbetter (2012). Annotating Errors in a Hungarian Learner Corpus. In *Proceedings of the 8th Language Resources and Evaluation Conference (LREC 2012)*. Istanbul, Turkey. pp. 1659–1664.

[C32] Soojeong Eom, Markus Dickinson, and Graham Katz (2012). Using semi-experts to derive judgments on word sense alignment: a pilot study. In *Proceedings of the 8th Language Resources and Evaluation Conference (LREC 2012)*. Istanbul, Turkey. pp. 605–611.

2011

[C31] Marwa Ragheb and Markus Dickinson (2011). Avoiding the Comparative Fallacy in the Annotation of Learner Corpora. In *Selected Proceedings of the 2010 Second Language Research Forum: Reconsidering SLA Research, Dimensions, and Directions*. Cascadilla Proceedings Project: Somerville, MA. pp. 114–124.

[C30] Markus Dickinson and Amber Smith (2011). Detecting Dependency Parse Errors with Minimal Resources. In *Proceedings of the 12th International Conference on Parsing Technologies (IWPT 2011)*. Dublin, Ireland. pp. 241–252.

[C29] Markus Dickinson and Marwa Ragheb (2011). Dependency Annotation of Coordination for Learner Language. In *Proceedings of the International Conference on Dependency Linguistics*. Barcelona, Spain. pp. 135–144.

[C28] Markus Dickinson, Ross Israel, and Sun-Hee Lee (2011). Developing Methodology for Korean Particle Error Detection. In *Proceedings of the 6th Workshop on Innovative Use of NLP for Building Educational Applications*. Portland, OR. pp. 81–86.

2010

[C27] Markus Dickinson (2010). Generating Learner-Like Morphological Errors in Russian. In *Proceedings of the 23nd International Conference on Computational Linguistics (COLING-10)*. Beijing. pp. 259–267.

[C26] Markus Dickinson and Yvonne Samuelsson (2010). Consistency Checking for Treebank Alignment. In *Proceedings of the Fourth Linguistic Annotation Workshop (LAW IV)*. Uppsala, Sweden. pp. 38–46.

[C25] Markus Dickinson (2010). Detecting Errors in Automatically-Parsed Dependency Relations. In *Proceedings of the 48th Annual Meeting of the Association for Computational Linguistics (ACL-10)*. Uppsala, Sweden. pp. 729–738.

[C24] Markus Dickinson, Ross Israel, and Sun-Hee Lee (2010). Building a Korean Web Corpus for Analyzing Learner Language. In *Proceedings of the 6th Web as Corpus Workshop (WAC-6)*. Los Angeles. pp. 8–16.

[C23] Markus Dickinson and Charles Jochim (2010). Evaluating Distributional Properties of Tagsets. In *Proceedings of the 7th Language Resources and Evaluation Conference (LREC 2010)*. Valletta, Malta. pp. 2522–2529.

2009

[C22] Markus Dickinson and Marwa Ragheb (2009). Dependency Annotation for Learner Corpora. In *Proceedings of the Eighth International Workshop on Treebanks and Linguistic Theories (TLT-8)*. Milan, Italy. pp. 59–70.

[C21] Markus Dickinson (2009). Correcting Dependency Annotation Errors. In *Twelve Conference of the European Chapter of the Association for Computational Linguistics (EACL-09)*. Athens, Greece. pp. 193–201.

[C20] Markus Dickinson and Charles Jochim (2009). Categorizing Local Contexts as a Step in Grammatical Category Induction. In *EACL-09 Workshop on Cognitive Aspects of Computational Language Acquisition*. Athens, Greece. pp. 34–41.

[C19] Markus Dickinson and Jennifer Foster (2009). Similarity Rules! Exploring Methods for Ad-Hoc Rule Detection. In *Proceedings of the Seventh International Workshop on Treebanks and Linguistic Theories (TLT-7)*. Groningen, The Netherlands. pp. 147–158.

2008

[C18] Markus Dickinson (2008). Representations for category disambiguation. In *The 22nd International Conference on Computational Linguistics (COLING-08)*. Manchester. pp. 201–208.

[C17] Markus Dickinson and Joshua Herring (2008). Developing Online ICALL Exercises for Russian. In *The 3rd Workshop on Innovative Use of NLP for Building Educational Applications (ACL08-NLP-Education)*. Columbus, OH. pp. 1–9.

[C16] Markus Dickinson (2008). Ad Hoc Treebank Structures. In *The 46th Annual Meeting of the Association for Computational Linguistics (ACL-08)*. Columbus, OH. pp. 362–370.

[C15] Markus Dickinson and Chong Min Lee (2008). Detecting Errors in Semantic Annotation. In *Sixth International Conference on Language Resources and Evaluation (LREC 2008)*. Marrakech, Morocco. pp. 605–610.

[C14] Markus Dickinson and Charles Jochim (2008). A Simple Method for Tagset Comparision. In *Sixth International Conference on Language Resources and Evaluation (LREC 2008)*. Marrakech, Morocco. pp. 822–826.

[C13] Markus Dickinson and Joshua Herring (2008). Russian Morphological Processing for ICALL. In *The Fifth Midwest Computational Linguistics Colloquium (MCLC-08)*. East Lansing, MI.

2007

[C12] Adriane Boyd, Markus Dickinson, and Detmar Meurers (2007). Increasing the recall of annotation error detection. In *Proceedings of the Sixth International Workshop on Treebanks and Linguistic Theories (TLT 2007)*. Bergan, Norway. pp. 19–30.

[C11] Adriane Boyd, Markus Dickinson, and Detmar Meurers (2007). On representing dependency relations – Insights from converting the German TiGerDB. In *Proceedings of the Sixth International Workshop on Treebanks and Linguistic Theories (TLT 2007)*. Bergan, Norway. pp. 31–42.

[C10] Markus Dickinson (2007). Determining Ambiguity Classes for Part-of-Speech Tagging. In *Recent Advances in Natural Language Processing (RANLP 2007)*. Borovets, Bulgaria. pp. 167–172.

2006

[C9] Markus Dickinson (2006). Rule Equivalence and Error Detection. In *Proceedings of the Fifth Workshop on Treebanks and Linguistic Theories (TLT 2006)*. Prague, Czech Republic. pp. 187–198.

[C8] Markus Dickinson (2006). An Investigation into Improving Part-of-Speech Tagging. In *Proceedings of the Third Midwest Computational Linguistics Colloquium (MCLC-06)*. Urbana-Champaign, IL.

[C7] Markus Dickinson (2006). From Detecting Errors to Automatically Correcting Them. In *Proceedings of the 11th Conference of the European Chapter of the Association for Computational Linguistics (EACL-06)*. Trento, Italy. pp. 265–272.

2005

[C6] Markus Dickinson and W. Detmar Meurers (2005). Prune Diseased Branches to Get Healthy Trees! How to Find Erroneous Local Trees in a Treebank and Why It Matters. In *Proceedings of the Fourth Workshop on Treebanks and Linguistic Theories (TLT 2005)*. Barcelona, Spain. pp. 41–52.

[C5] Chris Brew, and Markus Dickinson, and W. Detmar Meurers (2005). "Language and Computers": Creating an Introduction for a General Undergraduate Audience. In *Workshop on Effective Tools and Methodologies for Teaching NLP and CL at ACL 2005*. Ann Arbor, Michigan. pp. 15-22.

[C4] Markus Dickinson and W. Detmar Meurers (2005). Detecting Errors in Discontinuous Structural Annotation. In *Proceedings of the 43rd Annual Meeting of the Association for Computational Linguistics (ACL 2005)*. Ann Arbor, Michigan. pp. 322–329.

2004

[C3] Markus Dickinson and W. Detmar Meurers (2004). Error Detection with Discontinuous Constituents. In *Proceedings of the Midwest Computational Linguistics Colloquium (MCLC-04)*. Bloomington, Indiana.

2003

[C2] Markus Dickinson and W. Detmar Meurers (2003). Detecting Inconsistencies in Treebanks. In *Proceedings of the Second Workshop on Treebanks and Linguistic Theories (TLT 2003)*. Växjö, Sweden. pp. 45–56.

[C1] Markus Dickinson and W. Detmar Meurers (2003). Detecting Errors in Part-of-Speech Annotation. In *Proceedings of the 10th Conference of the European Chapter of the Association for Computational Linguistics (EACL-03)*. Budapest, Hungary. pp. 107–114.

Book Chapters

Forthcoming

[BC4] Markus Dickinson and Dan Tufiș (forthcoming). In Nancy Ide and James Pustejovsky (eds.), *The Handbook of Linguistic Annotation*. Berlin: Springer

2014

[BC3] Markus Dickinson and Marwa Ragheb (2014). Dependency Annotation of Coordination for Learner Language. Kim Gerdes, Eva Hajičová and Leo Wanner (eds.), *Dependency Linguistics: Recent advances in linguistic theory using dependency structures*. Studies in Language Companion Series, John Benjamins Publishing Company. pp. 161–181.

2009

[BC2] Markus Dickinson (2009). Similarity and Dissimilarity in Treebank Grammars. *Current Issues in Unity and Diversity of Languages: Collection of the papers selected from the 18th International Congress of Linguists (CIL18)*. Seoul, South Korea. pp. 1597–1611.

2009

[BC1] Markus Dickinson and W. Detmar Meurers (2006). Detecting Annotation Errors in Spoken Language Corpora. In Peter Juel Henrichsen and Peter Rossen Skadhauge (eds.), *Treebanking for Discourse and Speech: Proceedings of the NODALIDA 2005 Special Session on Treebanks for Spoken Language and Discourse*, pp. 53–66. Copenhagen: Samfundslitteratur Press.

Edited Proceedings
2015

[P3] Markus Dickinson, Erhard Hinrichs, Agnieszka Patejuk, and Adam Przepiorkowski, eds. (2015). *Proceedings of the Fourteenth International Workshop on Treebanks and Linguistic Theories (TLT14)*. Warsaw, Poland: Institute of Computer Science, Polish Academy of Sciences.

2010

[P2] Steven Franks, Markus Dickinson, George Fowler, Melissa Whitcombe, and Ksenia Zenon, eds. (2013). *Formal Approaches to Slavic Linguistics, The Third Indiana Meeting, 2012*. Ann Arbor, MI: Michigan Slavic Publishers.

[P1] Markus Dickinson, Kaili Müürisep, and Marco Passarotti, eds. (2010). *Proceedings of the Ninth International Workshop on Treebanks and Linguistic Theories*. Northern European Association for Language Technology (NEALT) Proceedings Series, Vol. 9. Tartu, Estonia: NEALT.

Other
2015

[O3] Markus Dickinson (2015). Review of Leacock, Chodorow, Gamon, and Tetreault (2014): "Automated Grammatical Error Detection for Language Learners (2nd Ed.)". *International Journal of Learner Corpus Research*, 1 (2).

2010

[O3] Markus Dickinson and Sandra Kübler (2010). Review of Roark & Sproat: "Computational approaches to morphology and syntax". *Language*, 86 (3), pp. 744–748.

2005

[O2] Dickinson, Markus (2005). Writers' Aids. In Keith Brown (ed.) *The Encyclopedia of Language and Linguistics*. 2nd edition. Oxford: Elsevier Publishers. pp. 673–679.

[O1] Dickinson, Markus (2005). Error detection and correction in annotated corpora. PhD Thesis. The Ohio State University.

Other Peer-Reviewed Conference Presentations

2015

- Scott Ledbetter and Markus Dickinson (2015). Automating Interlanguage Analysis of Learner Hungarian. *32nd Annual CALICO Conference*. Boulder, CO. May 28, 2015.
- Wen Li and Markus Dickinson (2015). Gender Prediction for Chinese Social Media Data. *Midwest Speech and Language Days 2015 (Poster Session)*. Chicago, IL. May 8, 2015.

2014

- Markus Dickinson and Armando Razo (2014). Corpus Development and Network Extraction for Comparative Analysis of Networks. *Workshop on Semantic Technologies for Research in the Humanities and Social Sciences (STRiX)*. Gothenburg, Sweden. November 25, 2014.
- Markus Dickinson and Marwa Ragheb (2014). Investigating Categories in a Syntactically-Annotated Corpus of Second Language Learners of English. *Workshop on Categories & Categorization in First & Second Language Acquisition*. Marburg, Germany. March 7, 2014.

2013

- Markus Dickinson and Scott Ledbetter (2013). Using an annotated L2 Hungarian corpus to study vowel harmony development. *Learner Corpus Research (LCR) Conference*. Bergen, Norway. September 29, 2013.

2012

- Markus Dickinson and Scott Ledbetter (2012). Annotating Errors in a Hungarian Learner Corpus. *Conference on Learner language, learner corpora*. Oulu, Finland. October 6, 2012.

2011

- Markus Dickinson and Marwa Ragheb (2011). Developing a syntactically-annotated corpus of learner English. *Learner Corpus Research 2011 "20 years of learner corpus research: looking back, moving ahead"*. Louvain-la-Neuve, Belgium. September 16, 2011.
- Sun-Hee Lee, Markus Dickinson, and Ross Israel (2011). Challenges in annotating Korean particle errors. *Learner Corpus Research 2011 "20 years of learner corpus research: looking back, moving ahead"*. Louvain-la-Neuve, Belgium. September 16, 2011.
- Markus Dickinson, Sandra Kuebler, Ayelet Weiss, Anthony Meyer, Chris Riley, and Amber Smith (2011). Hebrew Online Proficiency Evaluation (HOPE). *Workshop on the Automatic Analysis of Learner Language*. Victoria, BC. May 18, 2011.
- Sandra Kuebler, Ayelet Weiss, and Markus Dickinson (2011). Hebrew Online Placement Exams (HOPE). *Symposium on Authenticating Language Learning: Web Collaboration Meets Pedagogic Corpora*. Tübingen, Germany. February 17, 2011.

2010

- Ragheb, Marwa and Markus Dickinson (2010). Avoiding the Comparative Fallacy in the Annotation of Learner Corpora. *Second Language Research Forum (SLRF)*. College Park, MD. October 16, 2010.

2009

- Dickinson, Markus, Soojeong Eom, Yunkyoung Kang, Chong Min Lee, and Rebecca Sachs (2009). Developing Intelligent Online Materials for Korean. *National Council of Less Commonly Taught Languages (NCOLCTL), 12th International Conference.* Madison, WI. April 25, 2009.
- Dickinson, Markus, Joshua Herring, and Chris Riley (2009). Developing Intelligent Online Web Exercises for Russian. *26th Annual CALICO Conference.* Tempe, AZ. March 14, 2009.
- Dickinson, Markus and Joshua Herring (2009). Morphological analysis for Russian learner language. *CALICO '09 Pre-Conference Workshop on Automatic Analysis of Learner Language.* Tempe, AZ. March 10, 2009.
- Lee, Chong Min, Soojeong Eom, and Markus Dickinson (2009). Towards Analyzing Korean Learner Particles. *CALICO '09 Pre-Conference Workshop on Automatic Analysis of Learner Language.* Tempe, AZ. March 10, 2009.
- Jang, Seok Bae, Sun-Hee Lee, and Markus Dickinson (2009). Annotation of Spelling Errors for Korean Learner Corpora. *CALICO '09 Pre-Conference Workshop on Automatic Analysis of Learner Language.* Tempe, AZ. March 11, 2009.

2008

- Dickinson, Markus, Rebecca Sachs, Yunkyoung Kang, and Soojeong Eom (2008). Integrating ICALL into synchronous CMC. *25th Annual CALICO Conference (with IALLT).* San Francisco.
- Dickinson, Markus and Chong Min Lee (2008). Korean Particle Error Detection via Probabilistic Parsing. *CALICO'08 Pre-Conference Workshop on "Automatic Analysis of Learner Language".* San Francisco.

2007

- Dickinson, Markus, Soojeong Eom, Natalia Jacobsen, Yunkyoung Kang, Chong Min Lee, Ken Peterson, and Rebecca Sachs (2007). Integrating ICALL into synchronous CMC: Can intelligent computer-generated feedback be provided in learner-to-learner interactions? *Interfaces of Intelligent Computer-Assisted Language Learning (iicall2).* Waterloo, Canada.
- Dickinson, Markus, Soojeong Eom, Natalia Jacobsen, Yunkyoung Kang, Chong Min Lee, Ken Peterson, and Rebecca Sachs (2007). Pushing the limits of traditional CALI: Traditional vs. intelligent computer-generated feedback in synchronous CMC. *Second Language Research Forum, Poster Session.* Urbana-Champaign, IL.

2005

- Dickinson, Markus and W. Detmar Meurers (2005). *Towards Detecting Annotation Errors in Spoken Language Corpora.* The Midwest Computational Linguistics Colloquium (MCLC-05). Columbus, Ohio.

Invited Talks

- July 19, 2015. Markus Dickinson: *Computational Linguistics and Learner Corpus Annotation*. Syposium on "Connecting data and theory: Corpora and second language research". Lancaster University. ESRC Centre for Corpus Approaches to Social Science (CASS).
- May 1, 2015. Markus Dickinson: *From Annotation Errors to Parsing Learner Language*. Brandeis University, Department of Linguistics.
- February 21, 2014. Markus Dickinson: *From Annotation Errors to Parsing Learner Language*. Universität Tübingen, Department of Linguistics.
- July 12, 2013. Markus Dickinson: *Detecting Errors in Annotated Corpora (or, a breadth-first look at the last decade of (one half of) my research)*. Universität Stuttgart, Institute for Natural Language Processing.
- June 8, 2012. Markus Dickinson: *Syntactically Annotating Learner Language*. Panel at the *First Workshop on Syntactic Analysis of Non-Canonical Language (SANCL)*, Montreal, Canada.
- September 14, 2011. Markus Dickinson: *Developing Syntactic Annotation for Learner English*. Department of Languages, Vrije Universiteit Brussel (VUB).
- May 20, 2011. Markus Dickinson: *General-Purpose Tools for Detecting (Some) Learner Errors*, part of the *What Can ICALL Do For You?* panel at CALICO 2011. Victoria, BC.
- March 22, 2010. Markus Dickinson: *Annotating Syntactic Relations in Learner Corpora*. University of Tübingen.
- August 4, 2009. Markus Dickinson: *Morphological analysis for Russian learner language*. Center for the Advanced Study of Language (CASL), University of Maryland.
- April 3, 2008. Markus Dickinson: *A Balancing Act: How can intelligent computer-generated feedback be provided in learner-to-learner interactions?* Department of Linguistics, The University of Illinois at Urbana-Champaign.
- October 9, 2006. Markus Dickinson: *Error Detection for Dependency Annotation*. New Work in Language Processing speaker series, MITRE.
- April 27, 2006. Markus Dickinson: *Error Detection in Treebanks*. Georgetown Speaker Series, Georgetown University Department of Linguistics.
- February 22, 2006. Markus Dickinson: *Error Detection, Error Correction, and Improved Tagging*. CLIP Colloquium Series, The University of Maryland.

Patents

- Mahurin, Nick, Nathan Lindle, Markus Dickinson, and Sandra Kübler (2016). *System and method for analyzing verbal records of dictation using extracted verbal features*. US Patent #9,377,373.

Students

Dissertation Committees, completed, chair

- Soojeong Eom (2012) (Georgetown, co-advisor, with Graham Katz): *Automatic Presentation of Sense-Specific Lexical Information in an Intelligent Learning System*

- Joshua Herring (2016): *Grammar Construction in the Minimalist Program*
- Ross Israel (2014): *Building a Korean Particle Error Detection System from the Ground up*
- Marwa Ragheb (2014): *Building a Syntactically-Annotated Corpus of Learner English*

Dissertation Committees, current, chair

- Levi King
- Scott Ledbetter
- Anthony Meyer

Dissertation Committees, completed, member

- Muhammad Abdul-Mageed (2014): *Subjectivity and Sentiment Analysis of Arabic as a Morphologically-Rich Language*
- Aaron Albin (2015): *Typologizing native language influence on intonation in a second language: Three transfer phenomena in Japanese EFL learners*
- Stephen Grimes (2011): *Quantitative Studies in Hungarian Phonotactic and Syllable Structure*
- Andrew Keep (2013): *A Nanopass Framework for Commercial Compiler Development*
- Tae Sik Kim (2011): *Small Projections and Grammaticalization in Korean*
- Teresa Lynn (2015) (Dublin City University / Macquarie University Sydney): *Irish dependency treebanking and parsing* (external examiner)
- Huina Mao (2014): *Modeling Economic and Financial Behavior from Large-scale Datasets*
- Emad Mohamed (2010): *Orthographic Enrichment for Arabic Grammatical Analysis*
- Paul Rodrigues (2012): *Processing Highly Variant Language using Incremental Model Selection*
- Robert Reynolds (2016): *Russian natural language processing for computer-assisted language learning* (external committee member)
- Nathan Sanders (2011): *A Statistical Method for Syntactic Dialectometry*
- Olga Scrivner (2015): *Probabilistic Approach in Historical Linguistics: Word Order Change in Infinitival Clauses, from Latin to Old French*
- Ksenia Zenon (2015): *On Hybrid Coordination and Quantifier Raising in Russian*

Dissertation Committees, current, member

- Duaa Abu-Elhij'a Mahajna
- Eric Baucom
- Eleni Bourlai
- Daniel Dakota
- Can Liu
- Kirsten (Todt) Regier
- Alex Rudnick
- Charese Smiley

PhD Advisory Committees, chair

- Noor Abo-Mokh
- Misato Hiraga
- Wen Li
- Paul Richards
- Amber Smith

<div align="center">**PhD Advisory Committees, member**</div>

- Yasmeen Bassas
- Yue Chen
- Ashley Dainas
- Hai Hu
- Atreyee Mukherjee

<div align="center">**Advisor, MA/MS students, current**</div>

- Michael Czerniakowski
- Mercedes Hohenberger
- Sarah Shenk

<div align="center">**Advisor, MA/MS students, completed**</div>

- Erin Arnold (2016)
- Daniel Bishop (2012)
- Siyuan Guo (2013)
- Dustin Jefford (2010)
- Charles Jochim (2008)
- Evgeny Kim (2016)
- Andrew Lamont (2016)
- Jordan Ling (2016)
- Christina May (2012)
- Stephanie Poisson (2006, Georgetown)
- Melissa Roemmele (2010)
- Elizabeth Schroeder (2006, Georgetown)
- Kevin Stowe (2010)
- Eva Vecchi (2007, Georgetown)
- Anna White (2016)
- Daniel Whyatt (2014)

<div align="center">**Undergraduate Honors Thesis, completed, advisor**</div>

- Eric Benzschawel (2013), *Error Annotation in German Learner Corpora*

Teaching

<div align="center">**2015-2016**</div>

- Spring 2016, Indiana University, L245, *Language and Computers*
- Spring 2016, Indiana University, L445/L545/B659, *Computation and Linguistic Analysis*
- Autumn 2015, Indiana University, L615, *Corpus Linguistics*
- Autumn 2015, Indiana University, L645/B659, *Advanced Natural Language Processing*

<div align="center">**2014-2015**</div>

- Spring 2015, Indiana University, L245, *Language and Computers*
- Spring 2015, Indiana University, L614, *Alternative Syntactic Theories*
- Autumn 2014, Indiana University, L435/L555, *Programming for Computational Lingusitics*
- Autumn 2014, Indiana University, L715 (CSCI B659), Seminar on: *Detecting Latent User Properties in Text*

<div align="center">**2013-2014**</div>

- Autumn 2013, Indiana University, L245, *Language and Computers*

- Autumn 2013, Indiana University, L310, *Syntax*

2012-2013

- Spring 2013, Indiana University, L545, *Computation and Linguistic Analysis*
- Spring 2013, Indiana University, L615, *Corpus Linguistics*
- Autumn 2012, Indiana University, L555, *Programming for Computational Lingusitics*
- Autumn 2012, Indiana University, L645, *Advanced Natural Language Processing*

2011-2012

- Spring 2012, Indiana University, L245, *Language and Computers*
- Spring 2012, Indiana University, L310, *Syntax*
- Autumn 2011, Indiana University, L445/L515, *The Computer and Natural Language*
- Autumn 2011, Indiana University, L715, Seminar on *Data manipulation for parser improvement*

2010-2011

- Autumn 2010, Indiana University, L555, *Programming for Computational Lingusitics*
- Autumn 2010, Indiana University, L445/L515, *The Computer and Natural Language*

2009-2010

- Summer 2010, North American Summer School in Logic, Language, and Information (NASSLLI), short course on *Dependency Parsing* (co-taught with Sandra Kübler)
- Spring 2010, Indiana University, L614, *Alternative Syntactic Theories*
- Spring 2010, Indiana University, L545, *Computation and Linguistic Analysis*
- Autumn 2009, Indiana University, L310, *Syntax*
- Autumn 2009, Indiana University, L645, *Advanced Natural Language Processing*

2008-2009

- Spring 2009, Indiana University, L615, *Corpus Linguistics*
- Autumn 2008, Indiana University, L700, Seminar on *Automatic Analysis of Learner Language for ICALL*
- Autumn 2008, Indiana University, L445/L515, *The Computer and Natural Language*

2007-2008

- Spring 2008, Indiana University, L614, *Alternative Syntactic Theories*
- Spring 2008, Indiana University, L545, *Computation and Linguistic Analysis*
- Autumn 2007, Indiana University, L445/L515, *The Computer and Natural Language*

2006-2007

- Spring 2007, Georgetown University, Ling 420, *Statistical Natural Language Processing*

- Spring 2007, Georgetown University, Ling 261, *Language and Computers*
- Autumn 2006, Georgetown University, Ling 561/761, Seminar on *Designing ICALL Systems*
- Autumn 2006, Georgetown University, Ling 367, *Computational Tools for Linguists*
- Autumn 2006, Georgetown University, Ling 362, *Introduction to Natural Language Processing*

2005-2006

- Spring 2006, Georgetown University, Ling 420, *Statistical Natural Language Processing*
- Spring 2006, Georgetown University, Ling 261, *Language and Computers*
- Autumn 2005, Georgetown University, Ling 564, *Computational Grammar Formalisms*
- Autumn 2005, Georgetown University, Ling 367, *Computational Tools for Linguists*
- Autumn 2005, Georgetown University, Ling 362, *Introduction to Natural Language Processing*

2003-2004

- Spring 2004, The Ohio State University, Ling 384, *Language and Computers*
- Winter 2004, The Ohio State University, Ling 384, *Language and Computers*

Service

Synergistic Activities

- *Treebanks and Linguistic Theories (TLT)* co-chair; Bloomington, IN, USA, 2017.
- *Treebanks and Linguistic Theories (TLT)* co-chair; Warsaw, Poland, 2015.
- IU Social Science Research Commons, talk on *Social Media Mining with Natural Language Processing*, with Muhammad Abdul-Mageed. November 6, 2015.
- Workshop on Unified Annotation Tooling, invited attendee, Florida International University, March 30–31, 2015.
- Steering Committee, The Catapult Center for Digital Humanities & Computational Analysis, Indiana University, 2012–2015.
- *ESSLLI-13 Workshop on Extrinsic Parse Improvement (EPI)*, co-organizer; Dusseldorf, Germany, 2013.
- *Treebanks and Linguistic Theories (TLT)* co-chair; Tartu, Estonia, 2010.
- *North American Summer School in Logic, Language, and Information (NASSLLI)* Local Organizer; Bloomington, IN, 2010.
- *North American Computational Linguistics Olympiad (NACLO)* Site Coordinator; Bloomington, IN, 2010.
- Linguistic Society of America (LSA) Technology Advisory Committee (TAC), 2008-2010.
- *Midwest Computational Linguistics Colloquium (MCLC) 2009* co-chair; Bloomington, IN, 2009.

Program Committees and Reviewing

- Journal reviewing:
    - *Language Learning*: 2016 (twice).

- *International Journal of Learner Corpus Research*: 2015 (twice).
- *Language Resources and Evaluation*: 2016, 2015 (twice), 2013 (twice), 2012.
- *Linguistics Journal*: 2012.
- *Language and Linguistics Compass*: 2015 (twice), 2014, 2011.
- *Computational Linguistics*: 2011, 2004 (secondary reviewer).
- *Journal of Natural Language Engineering*: 2010.
- *IEEE Intelligent Systems Special Issue on Natural Language Processing and the Web*: 2008.
- *CALICO Journal, Special Issue on Automatic Analysis of Learner Language*: 2008.
- *Linguistic Issues in Language Technology (LiLT)*: 2007.

- Conference reviewing:

  - *Workshop on Corpora in the Digital Humanities* Program Committee: 2016.
  - *Conference on Natural Language Processing ("Konferenz zur Verarbeitung natürlicher Sprache", KONVENS)* Reviewing Board: 2016.
  - *Linguistic Annotation Workshop (LAW)* Program Committee: 2016, 2015.
  - *Workshop on the Statistical Parsing of Morphologically Rich Languages and Syntactic Analysis of Non-Canonical Languages*: 2014
  - *Linguistic Resources and Evaluation Conference (LREC)* Scientific Committee: 2015, 2013, 2011, 2009, 2007.
  - *The International Workshop on Treebanks and Linguistic Theories (TLT)* Program Committee: 2014, 2013, 2012, 2011.
  - *Empirical Methods in Natural Language Processing (EMNLP)*: 2014, 2013, 2009, 2007 (secondary reviewer).
  - *Human Language Technology for Language Learning (HLT4LL)*: 2013.
  - *International Joint Conference on Natural Language Processing (IJCNLP)*: 2013.
  - *CoNLL Shared Task on Grammatical Error Correction*: 2013.
  - *The Workshop on Innovative Use of NLP for Building Educational Applications (BEA)* Program Committee: 2016, 2015, 2014, 2013, 2012, 2011, 2010.
  - *Learner Corpus Research (LCR) Conference* Program Committee: 2015, 2013.
  - *Learner Corpus Research* article reviewing: 2014.
  - *ACL Systems Demos* Program Committee: 2013, 2010.
  - *Formal Approaches to Slavic Linguistics (FASL)* Organizing Committee: 2012.
  - *Annual Meeting of the Association for Computational Linguistics (ACL)*: 2014, 2012, 2011.
  - *International Conference on Natural Language Processing (PolTAL, IceTAL)* Program Committee: 2014, 2010.
  - *Workshop on Linguistics and NLP: Finding the Common Ground and Advancing the Goals of Both* Program Committee: 2010.
  - *NAACL-HLT 2010 Student Research Workshop*: 2010.
  - *RANLP Workshop on Adaptation of Language Resources and Technology to New Domains* Program Committee: 2009.
  - *Midwest Computational Linguistics Colloquium (MCLC)* Program Committee: 2008.

- Grant reviewing:

  - German-Israeli Foundation (GIF) for Scientific Research and Development: 2014.
  - National Science Foundation (NSF): 2013.

<center>**University-level service**</center>

- Folding@IU advisor, 2012–present.
- Linguistics Club at Indiana University (IULC) advisor, 2010-2016.
- Serving Hoosiers in Need (SHINE) advisor, 2011-2014.

<center>**Departmental service**</center>

- Executive Committee. Department of Linguistics, Indiana University, 2013, 2016–2017.
- Computational Linguistics Curriculum Committee. Department of Linguistics, Indiana University. 2011–present.
- Curriculum Committee. Department of Linguistics, Indiana University. 2007–2010, 2015–2017.
- Online Course Evaluation Committee. Department of Linguistics, Indiana University. 2015.
- Admissions Committee. Department of Linguistics, Indiana University. 2010-2011, 2015.
- Director of the Computational Linguistics Program. Department of Linguistics, Indiana University. 2011–2013.
- Computational Linguistics Search Committee. Department of Linguistics, The Ohio State University. 2004-2005.
- Laboratory and Computing Committee. Department of Linguistics, The Ohio State University. 2002-2003.
- The Ohio State University Working Papers in Linguistics Committee. Department of Linguistics, The Ohio State University. 2002-2003.
- Travel Committee. Department of Linguistics, The Ohio State University. 2000-2002.
- Undergraduate Curriculum Committee. Department of Linguistics, The University of Illinois at Urbana-Champaign. 1999-2000,
- Treasurer, Linguistic Student Organization. The University of Illinois at Urbana-Champaign. 1999-2000.

Awards

- Overseas Conference Fund Grant (2012). Office of the Vice President for International Affairs (OVPIA), Indiana University.
- Trustees Teaching Award (2011). Department of Linguistics, Indiana University.
- Trustees Teaching Award (2009). Department of Linguistics, Indiana University.
- Overseas Conference Fund Grant (2008). Office of the Vice President for International Affairs (OVPIA), Indiana University.
- Chronicle of Higher Education Rising Star Nomination (2005). Nominated by the Ohio State University, College of Humanities.
- Ray Travel Award (2005). The Council of Graduate Students, The Ohio State University.
- Personal Development Fund (2003). The Council of Graduate Students, The Ohio State University.
- Foreign Language and Area Studies Fellowship (2002). The Slavic Center, The Ohio State University.

- Honorable Mention (2002). National Science Foundation Graduate Research Fellowship.
- Dean's Distinguished University Fellowship (2000). The Ohio State University.
- Bronze Tablet University Honor (2000). The University of Illinois at Urbana-Champaign.
- Outstanding Undergraduate in Linguistics (2000). The Department of Linguistics, The University of Illinois at Urbana-Champaign.