

Michael White

Department of Linguistics
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- RESEARCH INTERESTS Computational linguistics, semantics and information structure, natural language generation, spoken language and multimodal dialogue systems, speech synthesis.
- EDUCATION
- ◇ **University of Pennsylvania**, Philadelphia, PA M.S., 1992; Ph.D., 1994
Computer and Information Science
Dissertation: *A Computational Approach to Aspectual Composition*
Advisor: Mark Steedman
Committee: Aravind Joshi, Bonnie Webber, Norman Badler, Richard Oehrle
 - ◇ **University of North Carolina**, Chapel Hill, NC B.S., 1988
Mathematical Sciences, Highest Honors
- HONORS National Science Foundation Graduate Fellowship
University of Pennsylvania Dean's Fellowship
Phi Beta Kappa
- AWARDS
- ◇ **Erasmus Mundus Visiting Scholar**, Univ. of Saarbrücken 2015
 - ◇ **International Research Collaboration Award**, Univ. of Sydney 2013
Closing the loop: Combinatory Categorical Grammar parsing and generation of natural language (with Dr. James Curran)

Experience

- ACADEMIC RESEARCH EXPERIENCE
- ◇ **Associate Professor**, The Ohio State University Oct. 2011 – present
Department of Linguistics
- Current Research:
- **Generating disambiguating paraphrases:** Devising methods of avoiding ambiguity in generation, in particular for clarifying alternative interpretations through paraphrases, with potential applications to crowd-sourcing for parser domain adaptation.
 - **Computational discourse semantics:** Developing theoretically informed yet computationally practical methods of representing meaning beyond the sentence level.
 - **Monolingual word alignment and answer matching:** Investigating methods of aligning words and phrases between candidate paraphrases, with applications in matching actual and anticipated questions in dialogue.
 - **Inducing broad-coverage resources for parsing and realization:** Investigating methods of inducing broad coverage, precise OpenCCG grammars from existing resources, along with psycholinguistically informed ranking models for choosing preferred interpretations and realizations.
- Previous Research:
- **Integrating natural language generation and speech synthesis:** Developing methods for adapting a language generator to the strengths and weaknesses of a synthetic voice. Investigating methods of using information structure to specify contextually appropriate intonation.

- As technical lead of the *Definition Builder* team during a four-year, three person consulting effort, designed and implemented the internal high-level query representation language and associated APIs, and coordinated the development of continual usability improvements. *Definition Builder* was successfully rolled out within Experian after the first year of the project.
- Designed and jointly implemented the CogentHelp prototype for authoring dynamically generated on-line help.
- Developed the RIPTIDES summarizer, which combined natural language generation based on information extraction with extractive summarization into hypertext reports.

- GRANTS AND RESEARCH CONTRACTS
- ◇ **National Science Foundation**, Robust Intelligence Grant \$450,000; 2016–2019
“RI: Small: Using Automatically Generated Paraphrases and Discriminative ASR Training to Author Robust Question-Answering Dialogue Systems,” PI (with co-PIs Eric Fosler-Lussier, Douglas Danforth and William Schuler), grant no. IIS-1618336.
 - ◇ **National Science Foundation**, Workshop Grant \$31,977; 2016–2017
“Workshop: Uphill Battles in Language Technology,” PI, with co-PIs Annie Louis (Univ. Essex), Michael Roth (Univ. Edinburgh), Bonnie Webber (Univ. Edinburgh) and Luke Zettlemoyer (Univ. Washington), grant no. 1640428.
 - ◇ **National Science Foundation**, Robust Intelligence Grant \$307,982; 2013–2017
“Closing the Loop: Inducing High-Precision Grammars for Generating Disambiguating Paraphrases,” grant no. IIS-1319318.
 - ◇ **National Board of Medical Examiners**, Research Grant \$74,068; 2013–2014
“Virtual patients simulations to assess data-gathering and clinical reasoning,” co-PI (with 4 others), Douglas Danforth PI, grant no. 1112-064.
 - ◇ **Air Force Research Laboratory**, Research Contract \$198,945; 2012
“Monolingual Multiword Alignment and Grammar-Based Paraphrase Generation for Detecting Semantic Similarity and Evaluating MT,” subcontract to BBN contract no. FA8750-09-C-0179.
 - ◇ **National Science Foundation**, Robust Intelligence Grant \$149,937; 2011–2014
“Exploratory Research on Acquiring and Adapting Sentence Planning Resources for Generating with Discourse Combinatory Categorical Grammar,” grant no. IIS-1143635.
 - ◇ **National Science Foundation**, Robust Intelligence Grant \$396,621; 2008–2012
“Learning to Generate High Quality Paraphrases with a Broad Coverage Lexicalized Grammar,” grant no. IIS-0812297 (includes two REU supplements).
 - ◇ **The Ohio State University**, Innovation Grant \$40,900; 2007–2009
“Building Expressive Synthetic Voices for Conversational Systems,” Arts and Humanities Innovation Grant. PI, with co-PIs Chris Brew and Eric Fosler-Lussier.
 - ◇ **National Science Foundation**, Workshop Grant \$23,000; 2007
“A Proposal for a Workshop on Shared Tasks and Comparative Evaluation in Natural Language Generation.” PI, with co-PI Robert Dale, Macquarie University.
 - ◇ **DARPA**, TIDES Text-Processing Initiative \$1,300,000; 2000–2002
“Rapidly Portable Translingual Information Extraction and Interactive Multidocument Summarization,” contract no. N66001-00-C-8009. Co-PI with Claire Cardie, Cornell University.
 - ◇ **Army Research Laboratory**, SBIR Phase I \$75,000; 1999
“Translingual Information Access,” contract no. DAAD17-99-C-0005. Co-PI with Martha Palmer, University of Pennsylvania.
 - ◇ **Air Force Research Laboratory**, SBIR Phase II \$750,000; 1994–1998
“Linguistically-Based Software Documentation,” contract no. F30602-94-C-0124. Took over as PI after the first year of the project.

- OPEN SOURCE SOFTWARE ♦ **OpenCCG** (<http://openccg.sourceforge.net>) 2002–present
 Managed library development since 2002 and developed surface realizer. To date, OpenCCG has been used in the COMIC, FLIGHTS, CrAg, Methodius and INDIGO projects in Edinburgh; the DIALOG, SAMMIE and CoSy projects in Saarbrücken; the JAST project in Munich; the AdaRTE project in Pavia; and the STaR-UI project in Eveleigh, New South Wales. It has also been used for teaching purposes in Edinburgh, Saarbrücken, Ankara, Austin and Columbus, and has played an important role in multiple dissertations and thesis projects. Version 0.9.5 was released in March, 2013, and a grammar compiler for the Sphinx speech recognition system (developed for Knexus Research Corporation) was released open source in 2014. According to SourceForge, OpenCCG releases have been downloaded over 10,000 times.
- ♦ **MadlyAmbiguous** (<http://www.ling.ohio-state.edu/madlyambiguous>) 2016
 Supervised the development of this demo/game for teaching students about structural ambiguity and the difficulties it poses for natural language processing.
- PATENTS ♦ **US 7,418,447 B2** 2008
 David E. Caldwell, Michael White and Tanya Korelsky, *Natural Language Product Comparison Guide Synthesizer* (filed Jan. 2001, awarded Aug. 2008).
- ACTIVITIES ♦ **Invited Talks**
- University of Aberdeen 2016
 “Dependency Locality in Natural Language Generation”
- University of Tübingen 2015
 “Locality Effects and Ambiguity Avoidance in Natural Language Generation”
- University of Saarland, Saarbrücken 2015
 “Locality Effects and Ambiguity Avoidance in Natural Language Generation”
- University of Sydney 2013
 “Making Better Use of Syntax in Monolingual Alignment”
- Macquarie University 2012
 “Feature Engineering for Multiword Monolingual Alignment”
- Macquarie University 2012
 “Minimal Dependency Length in Realization Ranking”
- University of Texas 2012
 “Minimal Dependency Length in Realization Ranking”
- Australian HCSNet WinterFest Mini-Course 2010
 “Statistical Natural Language Generation”
- University of Indiana 2010
 “Generating with Discourse Combinatory Categorical Grammar”
- University of Edinburgh 2009
 “Generating with Discourse Combinatory Categorical Grammar”
- University of Illinois, Urbana-Champaign 2008
 “Towards High-Quality Paraphrasing with CCG”
- University of Edinburgh 2006
 “Learning to Say It Well: Reranking Realizations by Predicted Synthesis Quality”
- University of Saarland, Saarbrücken 2005
 “Anytime Example-Driven Realization with CCG”
- ITRI, University of Brighton 2003
 “Anytime Chart Realization with CCG”
- University of Rochester 2000
 “Multidocument Summarization via Information Extraction”

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|---|-----------|
| North Carolina State University, Raleigh
“Building NLG Systems with EXEMPLARS” | 1999 |
| Cornell University, Ithaca
Topic: Careers in Computational Linguistics | 1998 |
| Carnegie Mellon University, Pittsburgh
“A Computational Approach to Aspectual Composition” | 1995 |
| ◇ Editorial Board Member
<i>Computational Linguistics</i> | 2010–2012 |
| ◇ Board Member
North American Chapter of the Association for
Computational Linguistics (NAACL), Secretary | 2014–2015 |
| Special Interest Group in Natural Language Generation (SIGGEN) | 2007–2010 |
| ◇ Shared Task Organizer
1 st Generation Challenges Surface Realization Shared Task | 2011 |
| ◇ Conference/Workshop Organizer
Co-organizer, Workshop on Uphill Battles in Language Technology | 2016 |
| Publications Co-Chair, ACL | 2012 |
| Co-organizer, International Natural Language Generation Conference | 2008 |
| Local Sponsorship Chair, ACL: HLT | 2008 |
| Co-organizer, Workshop on Shared Tasks and Comparative Evaluation in
Natural Language Generation | 2007 |
| ◇ Local Host
North American Computational Linguistics Olympiad | 2010–2012 |
| ◇ Panelist
NSF Review Panels (6) | 2006–2015 |
| “NLG Idol” Panel at INLG on Underappreciated Work in NLG | 2014 |
| ACL TeachCL Workshop Panel on Interdisciplinary Teaching | 2008 |
| ENLG-01 Panel on Search Methods for NLG | 2001 |
| AAAI Fall Symposium Panel on Layout and Generation | 2000 |
| ◇ Ad hoc Proposal Review
NSF (4) | 2014–2015 |
| EPSRC (2) | 2012–2014 |
| ◇ Program Committee Chair
INLG 2008 | |
| ◇ Area Chair / Senior Program Committee Member
COLING 2016, NAACL-HLT 2007 | |
| ◇ Program Committee Member (Recent)
EACL 2017, TLT 2017, DGfS 2017, EMNLP 2016, INLG 2016, ACL 2016, NAACL 2016,
11th Workshop on Innovative Use of NLP for Building Educational Applications Workshop
(2016), ACL 2015, NAACL 2015, CG 2015, TLT 2014, ACL 2014, INLG 2014, COLING
2014, NAACL 2013, ENLG 2013, COLING 2012, EACL 2012, NAACL 2012, INLG 2012,
*SEM 2012, SemDial 2011 (Los Angeles), ENLG 2011, ACL HLT 2011, ACL HLT 2011
Workshop on Text-to-Text Generation, NAACL HLT 2010, INLG 2010, ACL 2010 Student
Research Workshop, COLING 2010, NAACL HLT 2009, ENLG-09, MCLC-09, UCNLG-09,
EMNLP-09, SIGDIAL-09, EMNLP-08, ACL-08: HLT, MCLC-08, UCNLG-07, AAAI-07,
Workshop on Shared Tasks and Comparative Evaluation in Natural Language Generation
(2007), ACL 2007 Workshop on Deep Linguistic Processing, ACL-06, EMNLP-06, EACL-06,
ENLG-05, ACL-05 Workshop on Software, FLAIRS-04, AAAI-04, ACL-04, COLING-04 | |
| ◇ Reviewer for Journal
<i>Computational Linguistics</i> (32 times, including two squibs), <i>Speech Communication</i> (thrice), | |

Journal of Artificial Intelligence Research (twice), *Research on Language and Computation*, *ACM Transactions on Asian Language Information Processing* (twice), *Logic Journal of the IGPL*, *Computers and the Humanities*

◇ **Society Memberships**

Association for Computational Linguistics (ACL)	1988–present
Special Interest Group in Natural Language Generation (SIGGEN)	1995–present
Special Interest Group in Computational Semantics (SIGSEM)	2001–present
Special Interest Group in Discourse and Dialogue (SIGDIAL)	2005–present
Association for Computing Machinery (ACM)	1997–1999

◇ **News Interviews**

Interviewed by Adrian Lobe for Frankfurter Allgemeine Zeitung	Apr. 2015
Interviewed by Tom Simonite for MIT Technology Review	Jan. 2015
Interviewed by Randall Stross for New York Times	Nov. 2010

TEACHING

◇ **The Ohio State University**

Ling 8800: Seminar on Recognizing and Generating Paraphrases	Autumn, 2016
Ling 3802: Language and Computers	Autumn, 2016
Ling 7890.08: Clippers: A Computational Linguistics Discussion Group	Autumn, 2016
Ling 5803: Computational Semantics	Spring, 2016
Ling 3802/3802H: Language and Computers (with Honors section)	Spring, 2016
Ling 7890.08: Clippers: A Computational Linguistics Discussion Group	Spring, 2016
Ling 3802: Language and Computers	Autumn, 2015
Ling 7890.08: Clippers: A Computational Linguistics Discussion Group	Autumn, 2015
Ling 3802/3802H: Language and Computers (with Honors section)	Spring, 2015
Ling 6001: Proseminar in Linguistics	Spring, 2015
Ling 3802: Language and Computers	Autumn, 2014
Ling 6001: Proseminar in Linguistics	Autumn, 2014
Ling 8800: Seminar on Lightly Supervised Grammar Induction	Spring, 2014
Ling 6001: Proseminar in Linguistics	Spring, 2014
Ling 3802/3802H: Language and Computers (with Honors section)	Autumn, 2013
Ling 6001: Proseminar in Linguistics	Autumn, 2013
Ling 684.03: Computational Semantics	Spring, 2012
Ling 800: Proseminar in Linguistics	Spring, 2012
Ling 684.02: Statistical NLP	Winter, 2012
Ling 800: Proseminar in Linguistics	Winter, 2012
Ling 800: Proseminar in Linguistics	Autumn, 2011
Ling H384: Language and Computers (Honors section)	Spring, 2011
Ling 795.04: Clippers: A Computational Linguistics Discussion Group	Spring, 2011
Ling 684.02: Statistical NLP	Winter, 2011
Ling 795.04: Clippers: A Computational Linguistics Discussion Group	Winter, 2011
Ling 795.04: Clippers: A Computational Linguistics Discussion Group	Autumn, 2010
Ling 684.02: Statistical NLP	Spring, 2010
Ling 800: Proseminar in Linguistics	Spring, 2010
Ling 800: Proseminar in Linguistics	Winter, 2010
Ling 684.03: Computational Semantics	Autumn, 2009
Ling 800: Proseminar in Linguistics	Autumn, 2009
Ling 884: Seminar on Statistical Parsing and Realization	Spring, 2009
Ling 795.04: Clippers: A Computational Linguistics Discussion Group	Spring, 2009
Ling H201: Introduction to Language in the Humanities (Honors section)	Winter, 2009
Ling 795.04: Clippers: A Computational Linguistics Discussion Group	Winter, 2009
Ling 684.03: Computational Semantics	Autumn, 2008
Ling 795.04: Clippers: A Computational Linguistics Discussion Group	Autumn, 2008
OSU Mini-Institute: Corpus-Based Computational Linguistics	Summer, 2008
Ling H384: Language and Computers (Honors section)	Spring, 2008

Ling 795.04: Clippers: A Computational Linguistics Discussion Group	Spring, 2008
Ling 884: Seminar on Generating and Interpreting Referring Expressions	Winter, 2008
Ling 795.04: Clippers: A Computational Linguistics Discussion Group	Winter, 2008
Ling 795.10: Computational Semantics	Autumn, 2007
Ling 795.04: Clippers: A Computational Linguistics Discussion Group	Autumn, 2007
Ling H384: Language and Computers (Honors section)	Spring, 2007
Ling 884: Seminar on Corpus-Based Grammar Engineering	Spring, 2007
Ling 795.04: Clippers: A Computational Linguistics Discussion Group	Spring, 2007
Ling 795.04: Clippers: A Computational Linguistics Discussion Group	Winter, 2007
Ling 795.10: Introduction to Computational Semantics	Autumn, 2006
Ling 795.04: Clippers: A Computational Linguistics Discussion Group	Autumn, 2006
Ling 795.10: Introduction to Natural Language Generation	Spring, 2006
Ling H384: Language and Computers (Honors section)	Spring, 2006
Ling 884: Seminar on Empirical Methods in NLG	Winter, 2006

◇ **University of Edinburgh**

Dialogue and Natural Language Generation Spring, 2003–2005
 Gave guest lectures and helped students (each year).

◇ **University of Pennsylvania**

Introduction to Computer Programming Fall-Spring, 1990–1991
 Teaching Assistant and Recitation Instructor.

ADVISING
 AND
 MENTORING

◇ **Ph.D. Students**

Willy Cheung, Dept. Linguistics, OSU	2015–present
David King, Dept. Linguistics, OSU	2014–present
Dennis Mehay, Dept. Linguistics, OSU	2011–2012
David Howcroft, Dept. Linguistics, OSU	2010–2014
Adriane Boyd, Dept. Linguistics, OSU	2008–2012
Rajakrishnan Rajkumar, Dept. Linguistics, OSU	2008–2012
Crystal Nakatsu, Dept. Linguistics, OSU	2006–present
Stephen Boxwell, Dept. Linguistics, OSU	2006–2011
Dominic Espinosa, Dept. Linguistics, OSU	2006–2014
Scott Martin, Dept. Linguistics, OSU	2006–2011

◇ **M.Sc. Students**

Ajda Gokcen, Dept. Linguistics, OSU 2015–2016
 Supervised TIE-funded work on word-level paraphrase alignment annotation, leading to LREC 2016 paper.

Andrew Watts, Dept. Linguistics, OSU Spring, 2006
 Advised on research paper; exam committee member.

Neide Franca Rocha, Dept. Linguistics, Edinburgh Summer, 2004
 Co-advised thesis project. Enrolled as a Ph.D. student at the University of Edinburgh.

Rachel Baker, Dept. Linguistics, Edinburgh Summer, 2003
 Co-advised thesis project. Enrolled as a Ph.D. student at the Northwestern University.

◇ **Undergraduate Students, Honors**

Ethan Hill, Dept. Computer Science, OSU 2014–2016
 Supervised methods for generating disambiguating paraphrases reported in honors thesis, and leading to LAW-X paper at ACL 2016; funded by NSF REU Supplement (Summer 2014).

Johnsey Erdmann, Dept. Linguistics, OSU 2015–2016
 Supervised TIE-funded work on word-level paraphrase alignment annotation, leading to LREC 2016 paper.

Jonathan Barker, Dept. Linguistics, OSU Summer, 2011
 Supervised genitive paraphrase generation and analysis; funded by NSF REU Supplement.

Shoshana Berleant, Dept. Linguistics, OSU Summer, 2009
 Supervised data acquisition and analysis; funded by NSF REU Supplement.

◇ **Mentoring**

Lifeng Jin, Ph.D. Student, Dept. Linguistics, OSU 2016–present
 Provided guidance on question matching for virtual patient dialogue system.

David Howcroft, Dept. Comp. Ling. & Phon., Univ. Saarland 2014–2016
 Provided guidance on inducing rules for sentence planning in generation.

Manjuan Duan, Ph.D. Student, Dept. Linguistics, OSU 2013–present
 Provided guidance on methods for avoiding ambiguity in generation and generating disambiguating paraphrases.

Evan Jaffe, Ph.D. Student, Dept. Linguistics, OSU 2013–present
 Provided guidance on question matching for virtual patient dialogue system.

Mary Ellen Foster, Ph.D. Student, Informatics, Edinburgh 2002–2005
 Provided guidance on development of COMIC multi-modal generator. Became a postdoctoral researcher at Heriot-Watt University, currently junior faculty at University of Glasgow.

Carsten Brockmann, Ph.D. Student, Informatics, University of Edinburgh 2003–2005
 Provided guidance on CrAg project.

Ted Caldwell, CoGenTex, Inc. 1995–2002
 Provided guidance on SoftDoc and Definition Builder projects. Became CoGenTex’s principal application developer and a PI on an NSF Phase I SBIR.

Benoit Lavoie, CoGenTex, Inc. 2000–2002
 Provided guidance on RIPTIDES project. Enrolled as a Ph.D. student at the Université du Québec.

UNIVERSITY ◇ **University Committees**

SERVICE Faculty Advisory Council 2016–2017

◇ **Departmental Committees**

Web Committee (Chair) 2015–2017

Peer Review of Teaching (Chair) 2014–2017

Laboratory and Computing 2015–2017

Targeted Investment in Excellence 2014–2016

Laboratory and Computing (Chair) 2013–2015

Ling 3802 Resource Person 2013–2015

Comp Ling Search (Chair) 2011–2012

Ling 384 Resource Person 2009–2012

Speakers (Chair) 2009–2011

Laboratory and Computing (Chair) 2006–2009

Ling 384 Review (Chair) 2008–2009

Comp Ling Search 2008–2009

Awards 2006–2008

Semantics Search 2005–2006

Chair Search 2005–2006

Laboratory and Computing 2005–2006

◇ **Dissertation Committees**

Dominic Espinosa 2011–2014

Scott Martin 2011–2013

Vedrana Mihaliceck 2011–2012

Stephen Boxwell 2011

DJ Hovermale	2011
Rajakrishnan Rajkumar	2010–2012
Dennis Mehay	2010–2012
Crystal Nakatsu	2009–present
Tim Weale	2009–2010
Adriane Boyd	2007–2012
Ilana Heintz	2007–2010
Jianguo Li	2007–2008
Kirk Baker	2006–2008
Jirka Hana	2006–2007
Laura Stoia	2006–2007
◇ Candidacy Exams	
Jonathan Dehdari	2012
Stephen Boxwell	2011
Dominic Espinosa	2011
DJ Hovermale	2011
Scott Martin	2011
Rajakrishnan Rajkumar	2010
Dennis Mehay	2010
Crystal Nakatsu	2009
Tim Weale	2009
Adriane Boyd	2007
Ilana Heintz	2007
Jianguo Li	2007
Laura Stoia	2006
Kirk Baker	2006
◇ Graduate Faculty Representative	
Naser Sedaghati (Dissertation Exam), Computer Science & Engineering	2015
Stephen Luft (Dissertation Exam), East Asian	2013
Takeki Sunakawa (Dissertation Exam), Economics	2012
Laurie Urraro (Dissertation Exam), Spanish & Portuguese	2011
Sitaram Asur (Dissertation Exam), Computer Science & Engineering	2008
Unislawa Wszolek (Dissertation Exam), Political Science	2007
◇ Graduate Examination Committees	
David King (1 st qualifying paper)	2016–2017
Manjuan Duan (2 nd qualifying paper)	2015–2016
Evan Jaffe (2 nd qualifying paper)	2015–2016
Nathan Rasmussen (1 st qualifying paper)	2014–2015
David Howcroft (1 st qualifying paper)	2012–2013
Michelle Dionisio (1 st qualifying paper)	2010–2011
Jon Dehdari (2 nd qualifying paper)	2010–2011
Rajakrishnan Rajkumar (2 nd qualifying paper)	2008–2010
Stephen Boxwell (2 nd qualifying paper)	2009–2010
Dominic Espinosa (2 nd qualifying paper)	2009–2010
Scott Martin (2 nd qualifying paper)	2009–2010
Jon Dehdari (1 st qualifying paper)	2009–2010
Dennis Mehay (3 rd year paper)	2007–2008
Stephen Boxwell (2 nd year paper)	2007–2008
Dominic Espinosa (2 nd year paper)	2007–2008
Scott Martin (2 nd year paper)	2007–2008
Adriane Boyd (3 rd year paper)	2006–2007
Rajakrishnan Rajkumar (2 nd year paper)	2006–2007
Dennis Mehay (2 nd year paper)	2006–2007

Michael White

Jianguo Li (3rd year paper)
Crystal Nakatsu (3rd year paper)

2005–2006
2005–2006

Publications

- PEER-REVIEWED JOURNAL ARTICLES
- Rajakrishnan Rajkumar, Marten van Schijndel, Michael White and William Schuler. 2016. Investigating Locality Effects and Surprisal in Written English Syntactic Choice Phenomena. *Cognition*, 155:204–232.
- Rajakrishnan Rajkumar and Michael White. 2014. Better Surface Realization through Psycholinguistics. *Language and Linguistics Compass*, 8(10):428–448.
- Crystal Nakatsu and Michael White. 2010. Generating with Discourse Combinatory Categorical Grammar. *Linguistic Issues in Language Technology*, 4(1):1–62.
- Michael White, Robert A. J. Clark and Johanna D. Moore. 2010. Generating tailored, comparative descriptions with contextually appropriate intonation. *Computational Linguistics*, 36(2):159–201.
- Michael White. 2006. Efficient Realization of Coordinate Structures in Combinatory Categorical Grammar. *Research on Language & Computation*, 4(1):39–75.
- Sandro Zucchi and Michael White. 2001. Twigs, sequences and the temporal constitution of predicates. *Linguistics and Philosophy*, 24(2):223–270.
- EDITED COLLECTIONS
- Michael White, Crystal Nakatsu and David McDonald. 2008. *Proceedings of the Fifth International International Natural Language Generation Conference*.
- Robert Dale and Michael White. 2007. *Report from the Workshop on Shared Tasks and Comparative Evaluation in Natural Language Generation*.
- Robert Dale and Michael White. 2007. *Position Papers of the Workshop on Shared Tasks and Comparative Evaluation in Natural Language Generation*.
- CHAPTERS IN EDITED BOOKS
- Michael White, Rajakrishnan Rajkumar, Kiwako Ito, and Shari R. Speer. 2014. Eye tracking for the online evaluation of prosody in speech synthesis. Amanda Stent and Srinivas Bangalore (eds.), *Natural Language Generation in Interactive Systems*, Chapter 12, pages 281–301. Cambridge University Press.
- PEER-REVIEWED PAPERS IN CONFERENCE PROCEEDINGS
- David L. King and Michael White. 2016. Enhancing PTB Universal Dependencies for Grammar-Based Surface Realization. In *Proc. INLG-16*.
- Ajda Gokcen, Evan Jaffe, Johnsey Erdmann, Michael White and Douglas Danforth. 2016. A Corpus of Word-Aligned Asked and Anticipated Questions in a Virtual Patient Dialogue System. In *Proc. LREC-16*.
- Michael White. 2014. Towards Surface Realization with CCGs Induced from Dependencies. In *Proc. INLG-14*.
- Manjuan Duan and Michael White. 2014. That’s Not What I Meant! Using Parsers to Avoid Structural Ambiguities in Generated Text. In *Proc. of ACL-2014*.
- Kapil Thadani, Scott Martin, and Michael White. 2012. A joint phrasal and dependency model for paraphrase alignment. In *Proc. of COLING-2012*.
- Michael White and Rajakrishnan Rajkumar. 2012. Minimal dependency length in realization ranking. In *Proc. of EMNLP-12*.
- Michael White. 2012. Shared Task Proposal: Syntactic Paraphrase Ranking. In *Proc. of the 7th International Conference on Natural Language Generation (INLG-12)*.
- Dominic Espinosa, Rajakrishnan Rajkumar, Michael White, and Shoshana Berleant. 2010. Further meta-evaluation of broad coverage surface realization. In *Proc. of EMNLP-10*.
- Dominic Espinosa, Michael White, Eric Fosler-Lussier and Chris Brew. 2010. Machine Learning for Text Selection with Expressive Unit-Selection Voices. In *Proc. of INTERSPEECH-10*.

- Rajakrishnan Rajkumar and Michael White. 2010. Designing Agreement Features for Realization Ranking. In *Proc. of COLING-10*.
- Michael White, Rajakrishnan Rajkumar, Kiwako Ito, and Shari Speer. 2009. Eye tracking for the online evaluation of prosody in speech synthesis: Not so fast! In *Proc. of INTERSPEECH-09*.
- Michael White and Rajakrishnan Rajkumar. 2009. Perceptron reranking for CCG realization. In *Proc. of EMNLP-09*.
- Rajakrishnan Rajkumar, Michael White and Dominic Espinosa. 2009. Exploiting named entity classes in CCG surface realization. In *Proc. of NAACL-HLT 2009 Short Papers*.
- Dominic Espinosa, Michael White and Dennis Mehay. 2008. Hypertagging: Supertagging for Surface Realization with CCG. In *Proc. ACL-08: HLT*.
- Stephen Boxwell and Michael White. 2008. Projecting Propbank Roles onto the CCG-bank. In *Proc. of the Sixth International Conference on Language Resources and Evaluation (LREC-08)*.
- Michael White. 2006. CCG Chart Realization from Disjunctive Inputs. In *Proc. of the 4th International Conference on Natural Language Generation (INLG-06)*.
- Crystal Nakatsu and Michael White. 2006. Learning to Say It Well: Reranking Realizations by Predicted Synthesis Quality. In *Proc. COLING-ACL-06*.
- Michael White, Mary Ellen Foster, Jon Oberlander, and Ash Brown. 2005. Using facial feedback to enhance turn-taking in a multimodal dialogue system. In *Proc. of the 11th International Conference on Human-Computer Interaction (HCI-05)*.
- Johanna Moore, Mary Ellen Foster, Oliver Lemon, and Michael White. 2004. Generating tailored, comparative descriptions in spoken dialogue. In *Proc. of the 17th International FLAIRS Conference (FLAIRS-04)*.
- Michael White. 2004. Reining in CCG Chart Realization. In *Proc. of the 3rd International Conference on Natural Language Generation (INLG-04)*.
- Michael White, Claire Cardie, Vincent Ng, and Daryl McCullough. 2002. Detecting discrepancies in numeric estimates using multidocument hypertext summaries. In *Proc. of the Second International Conference on Human Language Technology Research (HLT-02)*.
- Michael White, Tanya Korelsky, Claire Cardie, Vincent Ng, Kiri Wagstaff, and David Pierce. 2001. Multi-document summarization via information extraction. In *Proc. of the First International Conference on Human Language Technology Research (HLT-01)*.
- Daryl McCullough, Tanya Korelsky, and Michael White. 1998. Information management for release-based software evolution using EMMA. In *Proc. of the 10th International Conference on Software Engineering & Knowledge Engineering (SEKE-98)*.
- David Caldwell and Michael White. 1997. CogentHelp: A tool for authoring dynamically generated help for Java GUIs. In *Proc. of the 15th Annual International Conference on Computer Documentation (SIGDOC-97)*.
- Michael White and David Caldwell. 1997. CogentHelp: NLG meets SE in a tool for authoring dynamically generated on-line help. In *Proc. of the Fifth Conference on Applied Natural Language Processing (ANLP-97)*.
- Sandro Zucchi and Michael White. 1996. Twigs, sequences and the temporal constitution of predicates. In *Proc. of Semantics and Linguistic Theory (SALT) VI*.
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