ELENI MILTSAKAKI

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https://www.linkedin.com/in/elenimiltsakaki
eleni@choosito.com, 215 880 1184

EDUCATION

2003   PhD, University of Pennsylvania.
Computational Linguistics.
Thesis Advisors: Prof. Ellen Prince & Prof. Aravind Joshi.

1991   MA, University of Essex, U.K.
Applied Linguistics.
Thesis Advisor: Prof. Keith Johnson.

1988   BA, Aristotle University of Thessaloniki, Greece.
English Linguistics & Literature
Senior Research Advisro: Prof. Savas Patsalidis

POSITIONS HELD

2014 –   CEO, Choosito! Inc

2013 –   Adjunct Professor, GSE, University of Pennsylvania

2006 – 2012   Research Associate, CIS, University of Pennsylvania

                Lecturer, GSE, University of Pennsylvania

2005-2006   Lecturer, Aristotle University of Thessaloniki

2003 – 2005   Postdoctoral Fellow, NLP, IRCS, University of Pennsylvania

1996 – 1997   Visiting Scholar, Linguistics, University of Pennsylvania

1991-1996   Director of Studies, Ekpedeftiki Foreign Languages

NSF GRANTS

- STTR Phase I: Simplification AI for Workforce Upskilling: Award Number:1914104; Principal Investigator: Eleni Miltsakaki; Co-Principal Investigator: Chris Callison-Burch. Organization: Choosito! NSF Organization: IIP Start Date:08/01/2019. Award Amount: $224,743.00

- SBIR Phase II: Linguistic Analysis of Web Content for 21st Century Inquiry Learning: Award Number:1456186. Principal Investigator: Eleni Miltsakaki. Organization: Choosito! NSF Organization: IIP Start Date:03/01/2015; Award Amount: $742,971.00.

- SBIR Phase I: Linguistic Analysis of Web Content for 21st Century Inquiry Learning: Award Number:1315554; Principal Investigator: Eleni Miltsakaki. Organization: Choosito! NSF Organization: IIP Start Date: 07/01/2013. Award Amount: $183,924.00.

RESEARCH TRACK

- Google Scholar - Eleni Miltsakaki
  - https://scholar.google.com/scholar?hl=en&as_sdt=0%2C39&q=Eleni+Miltsakaki&btnG=
- Google Scholar Citations - Eleni Miltsakaki
  - https://scholar.google.com/citations?user=V2f_LZoAAAAJ&hl=en
- DBLP - Eleni Miltsakaki
  - https://dblp.uni-trier.de/pers/hd/m/Miltsakaki:Eleni

AI SYSTEMS

- Virtual Librarian
  - An AI web-based recommender system for personalized content recommendation using novel topic-based models of user's prior familiarity with educational content.
- Choosito search and learn
  - Educational search engine that uses machine learning and natural language processing to evaluate the reading level and thematic content of websites in real time search.
- Antelogue
  - A java-based pronoun resolution application that identifies referents for personal and impersonal pronouns in text.

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SELECTED PUBLICATIONS *

1. Kriz, R., J. Sedoc, M. Apidianaki, C. Zheng, Gaurav Kumar, E. Miltsakaki, and C. Callison-Burch (2019). Complexity-Weighted Loss and Diverse Reranking for Sentence Simplification. In *Proceedings of 16th Annual Conference of the North American Chapter of the Association for Computational Linguistics and Human Language Technologies (NAACL-HLT 2019)*

2. Kriz, R., E. Miltsakaki, M. Apidianaki, and C. Callison-Burch (2018). Simplification Using Paraphrases and Context-based Lexical Substitution. In *Proceedings of 16th Annual Conference of the North American Chapter of the Association for Computational Linguistics and Human Language Technologies (NAACL-HLT 2018)*

3. Francois, T. and E. Miltsakaki (2012). Do NLP and Machine Learning Improve Traditional Readability Formulas? In *Proceedings of the First Workshop on Predicting and Improving Text Readability for Target Reader Population, NAACL 2012, Montreal.*

4. Cour, T., C. Jordan, E. Miltsakaki, and B. Taskar. (2008). Movie/Script: Alignment and Parsing of Video and Text Transcription. *Proceedings of the 10th European Conference on Computer Vision, ECCV 2008, Marseille.*

5. Miltsakaki, E. and A. Troutt. Real Time Web Text Classification and Analysis of Reading Difficulty. *Proceedings of the 3rd Workshop on Innovative Uses of NLP for Building Educational Applications at the 46th Meeting of the Association for Computational Linguistics*, Columbus, Ohio, 2008

6. Miltsakaki, E. & K. Kukich (2004). Evaluation of Text Coherence for Electronic Essay Scoring Systems. In *Journal of Natural Language Engineering*, 10(1).

7. Forbes, K., E. Miltsakaki R. Prasad, A. Sarkar, A. Joshi and B. Webber (2003). D-LTAG System - Discourse Parsing with a Lexicalized Tree-Adjoining Grammar. In Journal *of Language, Logic and Information, 12(3): 261-279.*

8. Miltsakaki, E. (2002). Towards an Aposynthesis of Topic Continuity and Intrasentential Anaphora. In *Computational Linguistics*, Vol. 28(3).

*See further down for a complete list of publications.

TECHNOLOGY TRANSFER & ENTREPRENEURIAL ACTIVITIES

- Founder and CEO of Choosito, bringing cutting-edge research to the market. Choosito has built a powerful search engine infrastructure empowered by Machine Learning and Natural Language Processing to analyze open educational resources and match them to the reading comprehension abilities of learners.
- The startup partnered with Carnegie Learning in October 2018 to deliver our smart search engine tool to hundreds of school districts in the following academic year.
- As the winner of the IBM Watson AI XPRIZE runner-up milestone award, Choosito is, also, one of the top contenders of the $5m prize.
- Social Impact: Choosito's XPRIZE project utilizes AI search-engine technology to give 100m underserved children, including the 3.8m children who are currently in refugee camps, functional access to the almost limitless amount of useful and free resources available via the web. Choosito's Virtual Librarian is helping children fight illiteracy one search at a time.
- Alumna of the LearnLaunch Accelerator.
- Annual reviewer of the Milken-Penn GSE Education Business Plan Competition.
- AI advisor to XPLAIN and Lithero.

PRESS & MEDIA

1. 2019: Presentation of Choosito's Virtual Librarian at the AI for Good World Summit in Geneva, 5/30/2019. Video.
2. 2019: Machine Learning for Learning, panel discussion, 1/31/2019. Video.
3. 2018: Carnegie Learning to Deliver Choosito Through Its EMC Platform. https://www.businesswire.com/news/home/20181002005141/en/Carnegie-Learning-Deliver-Choosito%21-EMC-School-Passport, retrieved 2019/01/22
4. 2018: Conversations from LearnLaunch 2018. Radio talk show.
5. https://digipub.simplecast.fm/719bd3a1, retrieved 2019/01/22
6. 2016: "15 Women Who Are Changing the Face of Tech in the Region", Philadelphia Business Journal.
7. 2016: "Choosito: A New Way to Search the Web", TV feature, 4/16/2016. Video.
8. 2016: Choosito! Supporting Kid Search, Discovery, and Literacy. School Library Journal. https://www.slj.com/?detailStory=choosito-supporting-kid-search-discovery-and-literacy, retrieved 2019/01/22
9. 2016: Will Librarians Be the Overseers of the Information Age?
10. https://www.edcircuit.com/will-librarians-be-the-overseers-of-the-information-age, retrieved 2019/01/22
11. 2015: "She's Changing the Way Our Kids Surf the Web", Huffington Post, 8/22/2015

ADVISING & MENTORING

1. PhD Students
   a. Reno Kriz, PhD student at CIS, University of Pennsylvania. Thesis advisor: Chris Callison-Burch.
   b. Quinn Burke, EdD student at GSE, University of Pennsylvania. Thesis advisor: Yasmin Kaffai.
   c. Paschalia Patsala, PhD student, Computational Linguistics, Aristotle University, Greece.
2. Master's Students
   a. Audrey Troutt, Master's student at CIS, University of Pennsylvania.
3. Undergraduate Students
   a. Stella Tsaklidou, Undergraduate Research Project, Aristotle University, Greece.
   b. Martha Labropoulou, Undergraduate Research Project, Aristotle University, Greece.
   c. Athanasios Koutroupis, Undergraduate Research Project, Aristotle University, Greece.
4. Middle School Students
   Volunteer mentor of GLIST, Girls Lead in Science and Technology, an after-school club

dedicated to encouraging girls to engage in Science and Technology. I taught the girls Python for three years and mentored them into becoming a 100% student driven club. GLIST has now been running for six years and counts over one hundred alumnae.

TEACHING

2008-2018	EDU 526: Technology for Educators. University of Pennsylvania.
2007	EDUC 644: Technology Mediated Teaching and Learning. Univ. of Pennsylvania. (Fall)
	EDUC 535: Technology for Educators, Univ. of Pennsylvania. (Summer)
	EDUC 000: Special seminar on Technology in Teacher Education. Univ. of Pennsylvania. (Spring)
	EDUC 639: Design of Learning Environments. Univ. of Pennsylvania. (Spring)
2006	EDUC 644: Technology Mediated Teaching and Learning. Univ. of Pennsylvania. (Fall)
	LING 342 Introduction to Computational Linguistics. Aristotle Univ. of Thessaloniki. (Spring)
	LING 121 Introduction to Linguistics II. Aristotle Univ. of Thessaloniki. (Spring)
2005	LING 342 Introduction to Computational Linguistics. Aristotle Univ. of Thessaloniki. (Fall)
	LING 412 Special Topics in Computational Linguistics: Processing Anaphoric Expressions. Aristotle Univ. of Thessaloniki. (Fall)
2003	GREK 018 Intermediate Modern Greek II. Univ. of Pennsylvania. (Spring)
2002	GREK 017 Intermediate Modern Greek I. Univ. of Pennsylvania. (Fall)
1999	GREK 018 Intermediate Modern Greek II. Univ. of Pennsylvania. (Spring)
1998	LING 550 Syntax I . Univ. of Pennsylvania. (Fall)
	LING 106 Verbal Art and Language. Univ. of Pennsylvania. (Fall)
	GREK 017 Intermediate Modern Greek I. Univ. of Pennsylvania. (Fall)
	GREK 015 Elementary Modern Greek I. Univ. of Pennsylvania. (Fall).

TEACHING HONORS AND SCHOLARSHIP AWARDS

2001	School of Arts and Sciences Dissertation Fellowship 2001-2002. Univ. of Pennsylvania.
2000	Educational Testing Service Summer Fellowship 2000. Princeton.
1999	Institute of Research in Cognitive Science Fellowship 2000-1. Univ. of Pennsylvania.
1999	Hall of fame professors distinction for instructors who received an instructor rating between 3.70 and 4.00. Based on instructor evaluation by students.
1999	Hall of fame courses (GREK 017, Intermediate Modern Greek) for courses which received a course rating between 3.70 and 4. Based on course evaluation by students.
1998	Institute of Research in Cognitive Science Fellowship 1999-00 Univ. of Pennsylvania.
1998	Hall of fame professors distinction for instructors who received an instructor rating between 3.70 and 4.00. Based on instructor evaluation by students.
1998	Hall of fame courses (GREK 016, Elementary Modern Greek) for courses which received a course rating between 3.70 and 4. Based on course evaluation by students.

INVITED TALKS - PRESENTATIONS

2019	"Learning from XPRIZE Startups to Achieve Successful AI innovation", (October 2019), AI World 2019.
2019	Presentation of Choosito's Virtual Librarian (May 2019) at the AI for Good World Summit, Geneva.
2019	"Machine Learning for Learning", (January 2019) LearnLaunch Across Boundaries Conference.
2018	Invited Choosito presentation at Startup Spotlight by SXSW (March 2018).

2018 "Open Education Resources", (January 2018) LearnLaunch Across Boundaries Conference.

2017 Invited Choosito presentation at Cooley Edtech Pitch Night.

2017 Research to Practice Roundtable with Penn GSE Faculty, panelist (November 2017), Philadelphia.

2016 "The Importance of a Research Plan for Product Development & Company Growth in the Education Industry, (September, 2016), EDSi (Educational Design Studio), GSE, Penn.

2016 "AI, ML, and Natural Language Technology for Personalized Learning", (September 25, 2016), AI with the Best Conference.

2010 "Technology for Effective Use of the Internet in Education", (April 13. 2010), American School Community, Athens, Greece

2010 "Technology for Effective Use of the Internet in Education", (February 11. 2010), Campion School, Athens, Greece

2009- Multiple professional development workshops for K-12 teachers and Higher Education Language Lecturers on the use of educational technology to develop 21st century skills and the design of activities aligned with core standards.

2008 "Text and Video Analysis Tools for Struggling Readers and English Language Learners" (October 22, 2008), School of Education, University of Delaware.

2008 "Intelligent Analysis of Text and Video Content" (July 31, 2008), Institute of Computer Science, Crete

2006 "Modeling Aspects of Coherence in Discourse" (January 19, 2006). Graduate School of Education. University of Pennsylvania.

2005 "Modeling Aspects of Coherence" (March 16, 2005). Educational Testing Service. Princeton.

2005 "Topics, Subjects, Pronouns, and Discourse Connectives" (January 26, 2005). Linguistics Department, University of California at Santa Barbara.

2005 "Annotating the Penn Discourse Treebank: A Bottom-up Approach to Discourse Structure" (January 17, 2005). Linguistics Department, University Paris 7.

2004 "Annotating the Penn Discourse Treebank: A Bottom-up Approach to Discourse Structure" (June 15, 2004). Colloquium speaker at the Computational Linguistics Colloquium series organized jointly by the Department of Computational Linguistics and Phonetics and the International Post-Graduate College in Language Technology and Cognitive Systems, Saarland University.

2002 "Effects of Syntactic Form on Reference Resolution" (June 18, 2002). 5th Annual IRCS/CCN Undergraduate Summer Workshop in Cognitive Science and Cognitive Neuroscience, University of Pennsylvania.

2002 "Effects of the Main-Subordinate Distinction on Attention Structure: Implications for Focusing Accounts" (April 12, 2002). Penn-Tuebingen Workshop at the University of Pennsylvania.

2002 "Anaphoric Arguments for Discourse Connectives" (April 11, 2003). Penn-Tuebingen Workshop at the University of Pennsylvania.

2002 "Subordination in Discourse" (February 13, 2002). Department of Linguistics, University of Washington, Seattle.

2002 "Subordination in Discourse" (February 22, 2002). Department of Linguistics, SUNY at Buffalo.

2002 "Subordination in Discourse" (January 21, 2002). Department of Linguistics, Indiana University.

2000 "Centering in Pronominal-Free Text" (November 2, 2000). Division of Informatics, University of Edinburgh.

2000 "Evaluation of Coherence" (June 20, 2000). Educational Testing Service, Princeton.

PUBLICATIONS

Journal Papers

[4] Robaldo, L. and E. Miltsakaki (2014). Corpus-driven Semantics of Concession: Where do Expectations Come from? Discourse & Dialogue, Vol. 5, No 1.

[3] Eleni Miltsakaki and Karen Kukich. Evaluation of text coherence for electronic essay scoring systems. *Natural Language Engineering*, 10(1), 2004.

[2] Kate Forbes, Eleni Miltsakaki, Rashmi Prasad, Anoop Sarkar, Aravind Joshi, and Bonnie Webber. D-LTAG system: Discourse parsing with a lexicalized tree adjoining grammar. *Journal of Logic, Language and Information*, 12(3), 2003. (First four authors in alphabetical order).

[1] Eleni Miltsakaki. Towards an aposynthesis of topic continuity and intra-sentential anaphora. *Computational Linguistics*, 28(3):319–355, 2002.

Book Chapters

[4] Eleni Miltsakaki. Not all subjects are born equal: A look at complex sentence structure. In Edward Gibson and Neal Perlmutter, editors, *The Processing and Acquisition of Reference*. Cambridge, MA: MIT Press, to appear.

[3] Nikiforos Karamanis and Eleni Miltsakaki. *A Festschrift in Honor of George Babiniotis*, chapter A Centering Analysis of Greek Narratives and Newspaper Articles. University of Athens, Greece, 2006.

[2] Aravind Joshi, Rashmi Prasad, and Eleni Miltsakaki. Anaphora resolution: A centering approach. In *Encyclopedia of Language and Linguistics, 2nd edition*. Elsevier, 2005.

[1] Cassandre Creswell, Kate Forbes, Eleni Miltsakaki, Rashmi Prasad, Aravind Joshi, and Bonnie Webber. The predicate-argument structure of discourse connectives: A corpus-based study. In Ant´onio Branco, Tony McEnery, and Ruslan Mitkov, editors, *AnaphoraProcessing: Linguistic, Cognitive and Computational Modeling*. John Benjamins Publishing Company, 2005.

Conference and Workshop Papers

[50] Kriz, R., J. Sedoc, M. Apidianaki, C. Zheng, Gaurav Kumar, E. Miltsakaki, and C. Callison-Burch (2019) . Complexity-Weighted Loss and Diverse Reranking for Sentence Simplification. In *Proceedings of 16th Annual Conference of the North American Chapter of the Association for Computational Linguistics and Human Language Technologies (NAACL-HLT 2019)*

[49] Kriz, R., E. Miltsakaki, M. Apidianaki, and C. Callison-Burch (2018). Simplification Using Paraphrases and Context-based Lexical Substitution. In *Proceedings of 16th Annual Conference of the North American Chapter of the Association for Computational Linguistics and Human Language Technologies (NAACL-HLT 2018)*

[48] Eleni Miltsakaki. Teaching and Assessing Information literacy and Research Skills. University of Delaware Technology Conference. March, 2016.

[47] Eleni Miltsakaki. Information Literacy Across the Curriculum. Colonial Technology Conference. New Castle, DE, 2015.

[46] Francois, T. and E. Miltsakaki (2012). Do NLP and Machine Learning Improve Traditional Readability Formulas? In *Proceedings of the First Workshop on Predicting and Improving Text Readability for Target Reader Population, NAACL 2012, Montreal*.

[45] Miltsakaki, E. (2012). A Study of Students Poor Research Skills as Demonstrated in a Record of Search Behavior on the Internet. In *Proceedings of Society for Information Technology and Teacher Education 2012, Austin, Texas.*

[44] Robaldo, L., E Miltsakaki , and A. Bianchini. (2010)
Sources of Expectation in Concession. Proceedings of Conference on Semantics and Formal Modelling (JSM '10), Nancy, France.

[43] Robaldo, L., E. Miltsakaki and A. Bianchini. (2010) Corpus-based Semantics of Concession: Where do Expectations Come from? *Proceedings of the Seventh Conference on Language, Resources and Evaluation (LREC '10), Malta, Italy.*

[42] Eleni Miltsakaki. Matching Readers' Preferences and Reading Skills with Web Text. Demo session of 12th Conference of the European Chapter of the Association for Computational Linguistics (EACL '09), Athens, Greece, 2009.

[41] Eleni Miltsakaki. Demo of Antelogue: Pronoun Resolution for Dialogues. Demo session of Third IEEE International Conference on Semantic Computing (ICSC '09), Berkeley, U.S.A., 2009.

[40] Eleni Miltsakaki (2009). Referential Properties of Dropped Subjects and Pronouns in Greek. *Proceedings of the International Conference on Greek Linguistics 9, Chicago, U.S.A.* .

[39] Robaldo, L., E. Miltsakaki, and J.R. Hobbs (2009). Refining the Meaning of Sense Labels in PDTB: "Concession". In Proceedings of Symposium on Semantics in Systems for Text Processing (STEP 2008), Venice, Italy.

[38] Miltsakaki, E. and A. Troutt. Real Time Web Text Classification and Analysis of Reading Difficulty. *Proceedings of the 3rd Workshop on Innovative Uses of NLP for Building Educational Applications at the 46th Meeting of the Association for Computational Linguistics*, Columbus, Ohio.

[37] Miltsakaki, E., L. Robaldo, A. Lee, and A. Joshi (2008). Sense Annotation in the Penn Discourse Treebank. In *Proceedings of the 9ʰ International Conference on Computational Linguistics and Intelligent Text Processing, Haifa, Israel.*

[36] Cour, T., C. Jordan, E. Miltsakaki, and B. Taskar. (2008). Movie/Script: Alignment and Parsing of Video and Text Transcription. *Proceedings of the 10th European Conference on Computer Vision, ECCV 2008, Marseille.*

[35] Eleni Miltsakaki and Audrey Troutt. 2007. READ-X: Automatic evaluation of reading difficulty of web text. In *Proceedings of E-Learn 2007, Quebec, Canada*, under the auspices of the Association for the Advancement of Computing in Education.

[34] Eleni Miltsakaki and Paschalia Patsala. 2007. Processing relative clauses at the discourse level. Presented at *Interdisciplinary Approaches to Relative Clauses* (REL '07), Cambridge, U.K.

[33] Eleni Miltsakaki. A rethink of the relationship between salience and anaphora resolution. In *Proceedings of the 6ʰ Discourse Anaphora and Anaphor Resolution Colloquium (DAARC2007), Lagos, Portugal*, 2007.

[32] Stella Tsaklidou and Eleni Miltsakaki. The role of animacy in the ranking of complex NPs: Evidence from Greek. In *31ˢᵗ Penn Linguistics Colloquium, Philadelphia*, 2007.

[31] Eleni Miltsakaki. A rethink of the mapping between salience and referring expression. In *20ʰ Annual CUNY Conference on Human Sentence Processing, LaJolla, California*, 2007.

[30] Eleni Miltsakaki, Martha Lambropoulou, and Athanasios Koutroupis.The (non)-tension between structural and semantic focusing: Evidence from Greek. In *Proceedings of the 12ʰ Annual Conference on Architectures and Mechanisms of Language Processing (AMLaP2006), Nijmegen ,Netherlands*, 2006.

[29] Eleni Miltsakaki and Paschalia Patsala. Effects of structural prominence on anaphora: The case of relative clauses. In *Proceedings of ISCA Tutorial and Workshop on Experimental Linguistics, Athens*, 2006.

[28] Stella Tsaklidou and Eleni Miltsakaki. Animacy effects on discourse prominence in Greek complex NPs. In *Proceedings of ISCA Tutorial and Workshop on Experimental Linguistics, Athens*, 2006.

[27] Rashmi Prasad, Eleni Miltsakaki, Nikhil Dinesh, Alan Lee, Aravind Joshi, and Bonnie Webber. The Penn Discourse Treebank 1.0. annotation manual. Technical Report IRCS-06-01, Institute of Research in Cognitive Science, University of Pennsylvania, 2006.

[26] Eleni Miltsakaki, Nikhil Dinesh, Rashmi Prasad, Aravind Joshi, and Bonnie Webber. Experiments on sense annotations and sense disambiguation of discourse connectives. In *Proceedings of the 4th Workshop on Treebanks and Linguistic Theories (TLT2005), Barcelona*, 2005.

[25] Eleni Miltsakaki. Investigating salience in complex sentences: A look at relative clauses. In *Proceedings of the 1st Workshop on the Syntax-Pragmatics Interface: A Workshop in Honor of Ellen Prince, Philadelphia*, 2005.

[24] Nikhil Dinesh, Alan Lee, Eleni Miltsakaki, Rashmi Prasad, Aravind Joshi, and Bonnie Webber. Attribution and the (non)-alignment of syntactic and discourse arguments of connectives. In *Proceedings of the ACL Workshop on Frontiers in Corpus Annotation II: Pie in the Sky, Ann Arbor, Michigan*, 2005.

[23] Rashmi Prasad, Aravind Joshi, Nikhil Dinesh, Alan Lee, Eleni Miltsakaki, and Bonnie Webber. The penn discourse treebank as a resource for natural language generation. In *Proceedings of the Corpus Linguistics Workshop on Using Corpora for Natural Language Generation, Birmingham, U.K.*, July 2005.

[22] Bonnie Webber, Aravind Joshi, Eleni Miltsakaki, Rashmi Prasad, Nikhil Dinesh, Alan Lee, and Katherine Forbes. A short introduction to the Penn Discourse Treebank. In *Copenhagen Working Papers in Language and Speech Processing*. Copenhagen Business School, 2005.

[21] Rashmi Prasad, Eleni Miltsakaki, Aravind Joshi, and Bonnie Webber. Annotation and data mining of the Penn Discourse Treebank. In *Proceedings of the ACL2004 Workshop on Discourse Annotation, Barcelona*, 2004.

[20] Eleni Miltsakaki, Rashmi Prasad, Aravind Joshi, and Bonnie Webber. Annotating discourse connectives and their arguments. In *Frontiers in Corpus Annotation, NAACL/HLT Conference Workshop, Boston, Massachusetts* 2004.

[19] Eleni Miltsakaki. A centering analysis of relative clauses in English and Greek. In *Proceedings of the 28th Penn Linguistics Colloquium, Philadelphia*, 2004.

[18] Eleni Miltsakaki, Rashmi Prasad, Aravind Joshi, and Bonnie Webber. The Penn Discourse Treebank. In *4th International Conference on Language Rescourses and Evaluation (LREC2004) Lisbon*, 2004.

[17] Eleni Miltsakaki. An empirical investigation of discourse coherence, salience, and reference in Greek relative clauses. In *Proceedings of the 6th International Conference of Greek Linguistics, Rethymno, Crete*, 2003.

[16] Eleni Miltsakaki, Cassandre Creswell, Kate Forbes, Aravind Joshi, and Bonnie Webber. Anaphoric arguments of discourse connectives: Semantic properties of antecedents versus non-antecedents. In *Proceedings of the Computational Treatment of Anaphora Workshop, EACL2003, Budapest*, 2003.

[15] Eleni Miltsakaki. Reference in relative clauses: The significance of marking low salience and its implications for 'recency and 'subjecthood'. In *16th Annual CUNY Conference on Human Sentence Processing*, MIT, Cambridge, 2003.

[14] Eleni Miltsakaki. The syntax-discourse interface: Reference in subordinate clauses. In *77th Annual Meeting of*

the Linguistic Society of America(LSA2003), Atlanta, 2003.

[13] Cassandre Creswell, Katherine Forbes, Eleni Miltsakaki, Rashmi Prasad, Bonnie Webber, and Aravind Joshi. The discourse anaphoric properties of connectives. In *Proceedings of the 4th Discourse Anaphora and Anaphor Resolution Colloquium (DAARC2002), Lisbon, Portugal*, pages 45–50. Edicoes Colibri, 2002. (First four authors in alphabetical order).

[12] Eleni Miltsakaki. Effects of subordination on referential form and interpretation. In *Proceedingsofthe26thPennLinguisticsColloquium*. Penn Working Papers in Linguistics, Philadelphia, 2002.

[11] Eleni Miltsakaki. On the interpretation of weak and strong pronominals in Greek. In *Proceedings of the 5th International Conference in Greek Linguistics*, Sorbonne, 2001.

[10] Eleni Miltsakaki, Christof Monz, and Antonio Ribeiro, editors. *Proceedings of the Student Research Workshop at ACL/EACL '01*, New Brunswick, 2001. Association for Computational Linguistics.

[9] Eleni Miltsakaki. Centering in Greek. In *Proceedings of the 15th International Symposium on Theoretica land Applied Linguistics, Thessaloniki*, 2001.

[8] Kate Forbes, Eleni Miltsakaki, Rashmi Prasad, Anoop Sarkar, Aravind Joshi, and Bonnie Webber. D-LTAG system: Discourse parsing with a lexicalized tree adjoining grammar. In *Proceedings of the ESSLLI 2001 Workshop on Information Structure, Discourse Structure and Discourse Semantics*, 2001. (First four authors in alphabetical order).

[7] Eleni Miltsakaki and Karen Kukich. The role of Centering theory's Rough Shift in the teaching and evaluation of writing skills. In *Proceedings of the 38th Annual Meeting of the Association for Computational Linguistics (ACL2000), Hong-Kong*, pages 408–415, 2000.

[6] Kate Forbes and Eleni Miltsakaki. Empirical studies of Centering Shifts and cue phrases as embedded segment boundary markers. In *Penn Working Papers in Linguistics*. University of Pennsylvania, 2000.

[5] Eleni Miltsakaki and Karen Kukich. Automated evaluation of coherence in student essays. In *Proceedings of the Workshop on Language Resources and Tools in Educational Applications, LREC2000, Athens*, pages 7–14, 2000.

[4] Eleni Miltsakaki. Locating topics in text processing. In *Computational Linguistics in the Netherlands: Selected Papers from the Tenth CLIN Meeting, (CLIN'99), Utrecht*, pages 127–138, 1999.

[3] Eleni Miltsakaki. A study of Greek questions conveying disagreement. In *International Pragmatic Conference on Pragmatics and Negotiation (PRAGMA99), Tel-Aviv*, 1999.

[2] Eleni Miltsakaki. Material evaluation: A model for young learners. In *Proceedings of T.E.S.O.L. '95, Athens*, 1995.

[1] Eleni Miltsakaki. Interlanguage and the mother tongue. In *Mini-conference in Applied Linguistics,* University of Essex, 1991.

Working Papers & Technical Reports

[3] Prasad., R, E. Miltsakaki, N. Dinesh, A. Lee, A. Joshi, B. Webber, and L. Robaldo (2008). The Penn Discourse Treebank 2.0 Annotation Manual. IRCS Technical Report, IRCS-06-01, Institute of Research in Cognitive Science, University of Pennsylvania.

[2] Webber, B., A. Joshi, E. Miltsakaki, R. Prasad, N. Dinesh, A. Lee, and K. Forbes A Short Introduction to the Penn Discourse TreeBank (2005). In *Copenhagen Working Papers in LSP.*

[1] Forbes, K. and E. Miltsakaki (2000). Empirical Studies of Centering Shifts and Cue Phrases as Embedded Segment Boundary Markers. (2000). In E. Kaiser (ed.), Penn Working Papers in Linguistics 7.2: Current work in linguistics. pp. 39--57.