

Tristan Miller

✉ UKP Lab – FB 20
TU Darmstadt
Hochschulstraße 10
64289 Darmstadt
Germany

🆔 0000-0002-0749-1100
📧 XAfWDQUAAAAJ
📄 TristanMiller
🌐 Logological

🌐 <https://logological.org/>
@ tristan@logological.org
☎ +49 6151 162 5296

Areas of specialization

Computational linguistics and natural language processing:
lexical semantics • text/argumentation mining • computational humour

Current positions

- 2018– *Senior research scientist*
Ubiquitous Knowledge Processing Lab, Technische Universität Darmstadt
- 2017– *Associate faculty member*
Ontological Semantic Technology Laboratory, Texas A&M University-Commerce
- 2015– *Associated researcher*
Research Training Group GRK 1994: Adaptive Preparation of Information from Heterogeneous Sources (AIPHES), Technische Universität Darmstadt

Education

- 2016 Doktor-Ingenieur, Department of Computer Science, Technische Universität Darmstadt
- 2003 Master of Science, Department of Computer Science, University of Toronto
- 1999 Bachelor of Science Honours, Department of Computer Science, University of Regina

Past appointments

- 2016–2017 *Associated researcher*
Ubiquitous Knowledge Processing Lab, German Institute for International Educational Research (DIPF)
- 2011–2018 *Research scientist*
Ubiquitous Knowledge Processing Lab, Technische Universität Darmstadt
- 2008–2011 *Language engineer/business analyst*
InQuira Europe Ltd (later acquired by Oracle Corporation)
- 2003–2005 *Research scientist*
Knowledge Management Department, German Research Center for Artificial Intelligence (DFKI)
- 2000–2003 *Course instructor/teaching assistant*
Department of Computer Science, University of Toronto

- 2000 *Associate software engineer*
Ontrack Data International
- 1999–2000 *Research assistant*
 School of Computing and Information Technology, **Griffith University**
- 1996–2000 *Owner/operator*
 Sirius Website Design
- 1998 *Research assistant*
Department of Computer Science, University of Regina

Grants authored & awarded

- 2019–2021 *Computational Pun-derstanding: Computer-assisted Translation of Humorous Wordplay*
 Author and principal investigator. Lise Meitner Programme, Austrian Science Fund (FWF), €169K.
- 2015–2019 *Information Consolidation: A New Paradigm in Knowledge Search*
 Co-author and proposal coordinator. German–Israeli Project Cooperation Programme, German Research Foundation (DFG), €1.7M.
- 2006–2008 *Mymory: Situated Documents in Personal Information Spaces*
 Co-author. German Federal Ministry of Education and Research (BMBF), €1.2M.
- 2004–2005 *eFISK: eine aufmerksamkeitsbasierte Schlüsselwort-Extraktions- und Information Retrieval-Maschine (eFISK: An Attention-based Keyword Extraction and Information Retrieval Engine)*
 Co-author and co-principal investigator. Rhineland-Palatinate Foundation for Innovation, €230K.
- 2004–2005 *@VISOR: A Holistic Context- and Content-sensitive Approach for Information Visualization, Navigation and Retrieval in Manipulative Virtual Environments*
 Co-author and named investigator. German Federal Ministry of Education and Research (BMBF), €1.2M.

Honours & awards

- 2017–2018 Career Bridging Grant, Technische Universität Darmstadt (declined)
- 2017 Outstanding Reviewer, 55th Annual Meeting of the Association for Computational Linguistics (ACL 2017)
- 2015 Outstanding Reviewer, 53rd Annual Meeting of the Association for Computational Linguistics and the 7th International Joint Conference on Natural Language Processing (ACL–IJCNLP 2015)
- 2014 International Society for Humor Studies Graduate Student Award
- 2013 Listed on the Firefox/Mozilla Monument, San Francisco
- 2006–2009 NSERC Postgraduate Scholarship (declined)
- 2001–2002 NSERC Postgraduate Scholarship
- 1999 University of Regina Prize in Science (awarded to the top graduating B.Sc.)
- 1999 Coca-Cola Student Award
- 1999, 1996 University of Regina General Proficiency Scholarship (awarded to the top 3% of students)
- 1998 E. Peter W. Nash Scholarship

1997	Jack Spencer Gordon Middleton Scholarship
1997–1998	University of Regina Academic Scholarship (awarded to the top 1% of students)
1996–1999	University of Regina Faculty of Science Dean’s Honours
1996	Canadian National Scholarship
1996	Saskatchewan General Proficiency Award

Publications

REFEREED ARTICLES IN SCIENTIFIC JOURNALS

- [1] T. Miller and M. Turković. **Towards the Automatic Detection and Identification of English Puns**. In: *European Journal of Humour Research* 4(1) (Jan. 2016), pp. 59–75. ISSN: 2307-700X.
- [2] T. Miller. **Essay Assessment with Latent Semantic Analysis**. In: *Journal of Educational Computing Research* 29(4) (Dec. 2003), pp. 495–512. ISSN: 0735-6331. DOI: [10.2190/W5AR-DYPW-40KX-FL99](https://doi.org/10.2190/W5AR-DYPW-40KX-FL99).
- [3] M.J. Maher, A. Rock, G. Antoniou, D. Billington, and T. Miller. **Efficient Defeasible Reasoning Systems**. In: *International Journal on Artificial Intelligence Tools* 10(4) (Dec. 2001), pp. 483–501. ISSN: 0218-2130. DOI: [10.1142/S0218213001000623](https://doi.org/10.1142/S0218213001000623).
- [4] Y. Xiang and T. Miller. **A Well-behaved Algorithm for Simulating Dependence Structures of Bayesian Networks**. In: *International Journal of Applied Mathematics* 1(8) (1999), pp. 923–932. ISSN: 1311-1728.

BOOK CHAPTERS & ARTICLES IN EDITED VOLUMES

- [1] C. F. Hempelmann and T. Miller. **Puns: Taxonomy and Phonology**. In: *The Routledge Handbook of Language and Humor*. Ed. by S. Attardo. Routledge Handbooks in Linguistics. New York, NY: Routledge, Feb. 2017, pp. 95–108. ISBN: 978-1-138-84306-6. DOI: [10.4324/9781315731162](https://doi.org/10.4324/9781315731162).
- [2] T. Miller. **Latent Semantic Analysis and the Construction of Coherent Extracts**. In: *Recent Advances in Natural Language Processing III*. Ed. by N. Nicolov, K. Botcheva, G. Angelova, and R. Mitkov. Vol. 260. Current Issues in Linguistic Theory (CILT). Amsterdam/Philadelphia: John Benjamins, 2004, pp. 277–286. ISSN: 0304-0763. ISBN: 1-58811-618-2. DOI: [10.1075/cilt.260.31mil](https://doi.org/10.1075/cilt.260.31mil).

ARTICLES IN REFEREED CONFERENCE & WORKSHOP PROCEEDINGS

- [1] C. Stab, T. Miller, B. Schiller, P. Rai, and I. Gurevych. **Cross-topic Argument Mining from Heterogeneous Sources**. In: *Proceedings of the 2018 Conference on Empirical Methods in Natural Language Processing (EMNLP 2018)*. Oct. 2018, pp. 3664–3674. ISBN: 978-1-948087-84-1.

- [2] C. Stab, J. Daxenberger, C. Stahlhut, T. Miller, B. Schiller, C. Tauchmann, S. Eger, and I. Gurevych. **ArgumenText: Searching for Arguments in Heterogeneous Sources**. In: *Proceedings of the 16th Annual Conference of the North American Chapter of the Association for Computational Linguistics: Human Language Technologies: Demonstrations (NAACL-HLT 2018)*. June 2018, pp. 21–25. ISBN: 978-1-948087-28-5. DOI: [10.18653/v1/N18-5005](https://doi.org/10.18653/v1/N18-5005).
- [3] T. Miller, C. F. Hempelmann, and I. Gurevych. **SemEval-2017 Task 7: Detection and Interpretation of English Puns**. In: *Proceedings of the 11th International Workshop on Semantic Evaluation (SemEval-2017)*. Aug. 2017, pp. 58–68. ISBN: 978-1-945626-55-5.
- [4] S. Abualhaija, T. Miller, J. Eckle-Kohler, I. Gurevych, and K.-H. Zimmermann. **Meta-heuristic Approaches to Lexical Substitution and Simplification**. In: *Proceedings of the 15th Conference of the European Chapter of the Association for Computational Linguistics (EACL 2017)*. Vol. 1. Apr. 2017, pp. 870–879. ISBN: 978-1-945626-34-0.
- [5] C. Guggilla, T. Miller, and I. Gurevych. **CNN- and LSTM-based Claim Classification in Online User Comments**. In: *Proceedings of the 26th International Conference on Computational Linguistics: Technical Papers (COLING 2016)*. Dec. 2016, pp. 2740–2751. ISBN: 978-4-87974-702-0.
- [6] T. Miller, M. Khemakhem, R. Eckart de Castilho, and I. Gurevych. **Sense-annotating a Lexical Substitution Data Set with Ubyline**. In: *Proceedings of the 10th International Conference on Language Resources and Evaluation (LREC 2016)*. Ed. by N. Calzolari et al. European Language Resources Association, May 2016, pp. 828–835. ISBN: 978-2-9517408-9-1.
- [7] T. Miller, D. Benikova, and S. Abualhaija. **GermEval 2015: LexSub – A Shared Task for German-language Lexical Substitution**. In: *Proceedings of GermEval 2015: LexSub*. Sept. 2015, pp. 1–9.
- [8] T. Miller and I. Gurevych. **Automatic Disambiguation of English Puns**. In: *Proceedings of the 53rd Annual Meeting of the Association for Computational Linguistics and the 7th International Joint Conference on Natural Language Processing (ACL-IJCNLP 2015)*. Vol. 1. July 2015, pp. 719–729. ISBN: 978-1-941643-72-3.
- [9] M. Matuschek, T. Miller, and I. Gurevych. **A Language-independent Sense Clustering Approach for Enhanced WSD**. In: *Proceedings of the 12th Konferenz zur Verarbeitung natürlicher Sprache (KONVENS 2014)*. Ed. by J. Ruppenhofer and G. Faaß. Universitätsverlag Hildesheim, Oct. 2014, pp. 11–21. ISBN: 978-3-934105-46-1.
- [10] T. Miller and I. Gurevych. **WordNet–Wikipedia–Wiktionary: Construction of a Three-way Alignment**. In: *Proceedings of the 9th International Conference on Language Resources and Evaluation (LREC 2014)*. Ed. by N. Calzolari et al. European Language Resources Association, May 2014, pp. 2094–2100. ISBN: 978-2-9517408-8-4.
- [11] T. Miller, N. Erbs, H.-P. Zorn, T. Zesch, and I. Gurevych. **DKPro WSD: A Generalized UIMA-based Framework for Word Sense Disambiguation**. In: *Proceedings of the 51st Annual Meeting of the Association for Computational Linguistics (System Demonstrations) (ACL 2013)*. Aug. 2013, pp. 37–42.

- [12] T. Miller, C. Biemann, T. Zesch, and I. Gurevych. **Using Distributional Similarity for Lexical Expansion in Knowledge-based Word Sense Disambiguation**. In: *Proceedings of the 24th International Conference on Computational Linguistics (COLING 2012)*. Ed. by M. Kay and C. Boitet. Dec. 2012, pp. 1781–1796.
- [13] T. Miller, B. Klein, and E. Wolf. **Exploiting Latent Semantic Relations in Highly Linked Hypertext for Information Retrieval in Wikis**. In: *Proceedings of the 7th International Conference on Recent Advances in Natural Language Processing (RANLP 2009)*. Ed. by G. Angelova, K. Bontcheva, R. Mitkov, N. Nicolov, and N. Nikolov. ACM Press, Sept. 2009, pp. 241–245.
- [14] T. Miller and E. Wolf. **Word Completion with Latent Semantic Analysis**. In: *Proceedings of the 18th International Conference on Pattern Recognition (ICPR 2006)*. Ed. by Y. Y. Tang, S. P. Wang, G. Lorette, D. S. Yeung, and H. Yan. Vol. 1. IEEE Press, Aug. 2006, pp. 1252–1255. ISSN: 1051-4651. ISBN: 978-0-7695-2521-1. DOI: [10.1109/ICPR.2006.1191](https://doi.org/10.1109/ICPR.2006.1191).
- [15] E. Wolf, S. Vembu, and T. Miller. **On the Use of Topic Models for Word Completion**. In: *Proceedings of the 5th International Conference on Natural Language Processing (FinTAL 2006)*. Ed. by T. Salakoski, F. Ginter, S. Pyysalo, and T. Pahikkala. Vol. 4139. Lecture Notes in Computer Science. Springer, Aug. 2006, pp. 500–511. ISSN: 0302-9743. ISBN: 978-3-540-37334-6. DOI: [10.1007/11816508_50](https://doi.org/10.1007/11816508_50).
- [16] T. Miller and S. Agne. **Attention-based Information Retrieval Using Eye Tracker Data**. In: *Proceedings of the 3rd International Conference on Knowledge Capture (K-CAP 2005)*. Ed. by P. Clark and G. Schreiber. New York, NY: ACM, Sept. 2005, pp. 209–210. ISBN: 978-1-59593-163-4. DOI: [10.1145/1088622.1088672](https://doi.org/10.1145/1088622.1088672).
- [17] B. Klein, T. Miller, and S. Zilles. **Security Issues for Pervasive Personalized Communication Systems**. In: *Security in Pervasive Computing: Proceedings of the 2nd International Conference on Security in Pervasive Computing (SPC 2005)*. Ed. by D. Hutter and M. Ullmann. Vol. 3450. Lecture Notes in Computer Science. Boppard, Germany: Springer, Apr. 2005, pp. 56–62. ISSN: 0302-9743. ISBN: 3-540-25521-4.
- [18] T. Miller. **Latent Semantic Analysis and the Construction of Coherent Extracts**. In: *Proceedings of the 4th International Conference on Recent Advances in Natural Language Processing (RANLP 2003)*. Ed. by G. Angelova, K. Bontcheva, R. Mitkov, N. Nicolov, and N. Nikolov. Sept. 2003, pp. 270–277. ISBN: 954-90906-6-3.
- [19] M. J. Maher, A. Rock, G. Antoniou, D. Billington, and T. Miller. **Efficient Defeasible Reasoning Systems**. In: *Proceedings of the 12th IEEE International Conference on Tools with Artificial Intelligence (ICTAI 2000)*. IEEE Press, Nov. 2000, pp. 384–392. ISSN: 1082-3409. ISBN: 0-7695-0909-6. DOI: [10.1109/TAI.2000.889898](https://doi.org/10.1109/TAI.2000.889898).

REFEREED ARTICLES IN TECHNICAL JOURNALS

- [1] T. Miller. **Producing Beautiful Slides with L^AT_EX: An Introduction to the HA-prosper Package**. In: *The PracT_EX Journal* 2(1) (Apr. 2005). ISSN: 1556-6994.
- [2] T. Miller. **Biblet: A Portable BibT_EX Bibliography Style for Generating Highly Customizable XHTML**. In: *TUGboat* 26(1) (2005), pp. 85–96. ISSN: 0896-3207.

- [3] T. Miller. *Using the RPM Package Manager for (L)T_EX Packages*. In: *TUGboat* 26(1) (2005), pp. 17–28. ISSN: 0896-3207.

THESES

- [1] T. Miller. *Adjusting Sense Representations for Word Sense Disambiguation and Automatic Pun Interpretation*. Dr.-Ing. thesis. Department of Computer Science, Technische Universität Darmstadt, Apr. 2016.
- [2] T. Miller. *Generating Coherent Extracts of Single Documents Using Latent Semantic Analysis*. M.Sc. thesis. Department of Computer Science, University of Toronto, Mar. 2003.

UNREFEREED ARTICLES

- [1] C. Stab, T. Miller, and I. Gurevych. *Cross-topic Argument Mining from Heterogeneous Sources Using Attention-based Neural Networks*. In: *ArXiv e-prints* 1802.05758 (Feb. 2018).

MAGAZINE & ENCYCLOPEDIA ARTICLES

I have contributed hundreds of educational and expository articles on recreational mathematics, recreational linguistics, computing history, and other topics to venues such as *The Journal of Humanistic Mathematics*, *Word Ways: The Journal of Recreational Linguistics*, *Babel: The Language Magazine*, *Lingo: The Language Magazine for Young Readers*, *The Annals of Improbable Research*, *The On-line Encyclopedia of Integer Sequences*, and *Wikipedia*.

Invited talks

- 2018 “Towards the computer-assisted translation of humorous wordplay.” Linguistics Department, University of Potsdam, Germany.
- 2018 “Towards the computer-assisted translation of humorous wordplay.” 6th Conference on Text Interpretation (ConTIn-6), Tyumen State University, Russia.
- 2017 “Sense clustering for the computational processing of humour.” Department of Linguistics, Ruhr-Universität Bochum, Germany.
- 2016 “Adjusting sense representations for enhancing semantic resources and technologies.” Department of New Media Technology, MODUL University Vienna, Austria.
- 2016 “Computational interpretation of puns through knowledge-based word sense disambiguation.” Stylistics Research Centre, University of Huddersfield, UK.
- 2014 “Towards the automatic detection and identification of English puns.” Graduate Student Award talk at the 26th International Society for Humor Studies Conference, Utrecht, Netherlands.
- 2011 “Exploiting Latent Semantic Relations in Highly Linked Hypertext for Information Retrieval in Wikis.” Department of Computer Science, Technische Universität Darmstadt, Germany.

Press coverage

- [1] A. Grävemeyer. *Suchmaschine der Argumente*. In: *c't* 21 (Sept. 28, 2018), p. 35. ISSN: 0724-8679.

- [2] R. Weber. **ArgumenText: Das neue „Google“ für Ingenieure?** In: *Factory* (Sept. 17, 2018).
- [3] A. Reiners. **Forschungsprojekt: Argumente für jedes Thema.** In: *Business Panorama: Das Wirtschaftsmagazin* (Sept. 14, 2018).
- [4] C. Staub. **TU Darmstadt entwickelt Argumentsuche für Internet-Texte.** In: *idw – Informationsdienst Wissenschaft* 48 (Sept. 14, 2018).
- [5] S. Paradowski. Argumente aus dem Rauschen. In: *hoch³ FORSCHEN: Das Medium für Wissenschaft* 7(3) (Aut. 2018), p. 2. ISSN: 2196-1506.
- [6] S. Paradowski. Arguments from Amongst the Noise. In: *hoch³ FORSCHEN: Science Quarterly* 7(3) (Aut. 2018), p. 2. ISSN: 2196-1506.
- [7] *A Computer Walks into a Bar. Talk the Talk*, RTR FM 92.1, Perth, Australia. June 20, 2017.
- [8] I. Ciurezu. **International Summer School on Humour and Laughter.** In: *Transilvania University of Braşov Newsletter* 52 (Aug. 2016), p. 5.
- [9] J. C. McGinty. **To Find Love Match, Try Love Math (Results Will Vary).** In: *The Wall Street Journal* (Feb. 14, 2015). ISSN: 0099-9660.
- [10] S. Hale, P. Konieczny, M. Klein, A. Krizhanovsky, T. Bayer, and Pine. **99.25% of Wikipedia Birthdates Accurate; Focused Wikipedians Live Longer; Merging Word-Net, Wikipedia and Wiktionary.** In: *The Wikipedia Signpost* 10(37) (Sept. 24, 2014).
- [11] L. Laineste. **Impressions from the 26th Conference of the International Society for Humor Studies in Utrecht, Netherlands.** In: *Folklore* 59 (Apr. 2014), pp. 186–187. ISSN: 1406-0949.
- [12] S. Doosje. **2014 Conference of the International Society for Humor Studies.** In: *The Humorous Times: Newsletter of the International Society for Humor Studies* 27(3) (Sum. 2014), p. 1.

Teaching

TECHNISCHE UNIVERSITÄT DARMSTADT

- 2017, 2018 Academic Writing in English (tutorial workshop)
- 2017 Introduction to CodaLab Competitions (seminar)
- 2016 GnuPG for Beginners (seminar)
- 2016 \LaTeX for NLP Researchers (seminar)
- 2011–2012 Natural Language Processing for the Web (tutorial instructor)

NATIONAL RESEARCH UNIVERSITY – HIGHER SCHOOL OF ECONOMICS (MOSCOW)

- 2017 Introduction to CodaLab Competitions (invited seminar)
- 2017 Natural Language Processing with UIMA and DKPro (invited seminar)
- 2017 \LaTeX for NLP Researchers (invited seminar)

INTERNATIONAL SUMMER SCHOOL AND SYMPOSIUM ON HUMOUR AND LAUGHTER:
THEORY, RESEARCH AND APPLICATIONS

2016 Computational Detection and Interpretation of Puns (invited tutorial)

TECHNISCHE UNIVERSITÄT KAISERSLAUTERN/DFKI

2005 GnuPG for Beginners (seminar)

2003–2005 Proseminar: Artificial Intelligence (seminar)

UNIVERSITY OF TORONTO

2002 CSC 270: Fundamental Data Structures and Techniques (course instructor)

2002 CSC 108: Introduction to Computer Programming (teaching assistant)

2001 CSC 270: Fundamental Data Structures and Techniques (teaching assistant)

2001 CSC 324: Principles of Programming Languages (teaching assistant)

2000 CSC 384: Introduction to Artificial Intelligence (teaching assistant)

Advising

DOCTORAL STUDENTS

2016 (DNF) Chinnappa Guggilla. “Detection and Verification of Facts from Articles by Effectively Leveraging Online Heterogeneous Textual Sources and Knowledge Bases.” Department of Computer Science, Technische Universität Darmstadt. Co-supervised by Iryna Gurevych and Manfred Stede.

MASTER’S STUDENTS

2018 Malou Ockenfels. “Detecting Humorous Images by Caption Analysis.” Department of Computer Science, Technische Universität Darmstadt. Co-supervised by Iryna Gurevych and Yevgeniy Puzikov.

2016–2017 Ji-Ung Lee. “Automatic Annotation of Argumentation Components for eCommerce.” Department of Computer Science, Technische Universität Darmstadt. Co-supervised by Iryna Gurevych and Steffen Eger.

2005 Elisabeth Wolf. “A Semantic-Based Word Completion Utility Using Latent Semantic Analysis.” Department of Technical Sciences, University of Applied Sciences, Oldenburg/Ostfriesland/Wilhelmshaven.

BACHELOR’S STUDENTS

2018– Jörg Wöckener. “Deep Learning for Poetry Analysis and Generation.” Department of Computer Science, Technische Universität Darmstadt. Co-supervised by Steffen Eger.

Service to the profession

EDITORIAL BOARD MEMBER

2005–2006 *The PracT_EX Journal*, T_EX Users Group, ISSN: 1556-6994

ADVISORY BOARD MEMBER

2014– *Babel: The Language Magazine*, University of Huddersfield, ISSN: 2051-7297

REVIEWER (BOOKS & JOURNAL ARTICLES)

2019 *Natural Language Engineering* (special issue on informing neural architectures for NLP with linguistic and background knowledge), Cambridge University Press, ISSN: 1351-3249

2018 *European Journal of Humour Research*, Cracow Tertium Society for the Promotion of Language Studies, ISSN: 2307-700X

2013 I. Gurevych and J. Kim, eds. *The People's Web Meets NLP: Collaboratively Constructed Language Resources*. Vol. 378 of Theory and Applications of Natural Language Processing. Springer, 2013. ISBN: 978-3-642-35084-9. DOI: 10.1007/978-3-642-35085-6

2003–2005 Lawrence Erlbaum Associates: various book proposals

2005 *International Journal on Document Analysis and Recognition*, Springer, ISSN: 1433-2833

2004 *Machine Vision and Applications*, Springer, ISSN: 0932-8092

CONFERENCE & WORKSHOP ORGANIZATION

2019 Area co-chair for Resources and Evaluation, 17th Meeting of the North American Chapter of the Association for Computational Linguistics (NAACL-HLT 2019)

2019 Panel co-convenor for Humor & Artificial Intelligence, 31st International Society for Humor Studies Conference

2018 Area co-chair for Multilinguality, 56th Annual Meeting of the Association for Computational Linguistics (ACL 2018)

2018 Panel co-convenor and session chair for Humor & Artificial Intelligence, 30th International Society for Humor Studies Conference

2017 Co-chair for Task 7: Detection and Interpretation of English Puns, 11th International Workshop on Semantic Evaluation, held at the 55th Annual Meeting of the Association for Computational Linguistics

2017 Co-chair for the 1st Workshop on German Lexical Substitution (GermEval 2015: LexSub), held at the 26th International Conference of the German Society for Computational Linguistics and Language Technology (GSCL 2015)

MEMBERSHIP IN TECHNICAL & PROFESSIONAL SOCIETIES

2017– Hungarian Academy of Sciences (MTA), External Member of the Public Association

2014– International Society for Humor Studies (ISHS)

2000– Association for Computational Linguistics (ACL)

2004–2011 T_EX Users Group (TUG) and UK T_EX Users Group (UK-TUG)

1999–2002 Canadian Information Processing Society (CIPS); executive member of University of Regina chapter (1999)

STUDENT BODY & DEPARTMENTAL SERVICE

2000–2003 University of Toronto Computer Science Graduate Students' Benevolent Society; executive member (2000–2003)

1996–1999 **University of Regina Computer Science Students' Society**; executive member (1998–1999)

Software

PRIMARY DEVELOPER AND/OR MAINTAINER

DKPro WSD (word sense disambiguation framework)

GPP (general-purpose preprocessor)

CHEOPS (AI chess engine)

DELORES (forward-chaining reasoning engine for defeasible logic)

eoconv (Esperanto encoding converter)

CONTRIBUTING DEVELOPER

DKPro Core (natural language processing toolkit)

UBY API (linked lexical semantic resource)

WEBWEAVR-III (Bayesian network research toolkit)

TWSI Sense Substituter (lexical substitution software)

QUALITY ASSURANCE

Firefox, SeaMonkey, Thunderbird (web browsers and e-mail client)

KDE (desktop environment)

openSUSE (GNU/Linux distribution)

freedesktop.org (desktop environment frameworks)

LibreOffice (office suite)

Apache OpenOffice (office suite)

MEAD (multilingual summarization system)

Skills

NATURAL LANGUAGES

Native: English

Proficient: German, French

Limited: Hungarian, Icelandic

PROGRAMMING/MARKUP LANGUAGES & FRAMEWORKS

Proficient: C, Java, BASIC, Bash, lex, yacc, \LaTeX , XML, (X)HTML, CSS, UIMA

Familiar: C++, Perl

DEVELOPMENT & ANNOTATION TOOLS

Git, Subversion, Eclipse, Apache Maven, Jenkins, GNU Autotools, RPM, Amazon Mechanical Turk

Conferences & workshops

Legend: (P)articipant (A)uthor (S)peaker (C)hair of event/track (R)eviewer/PC member

EVENT	LOCATION	P	A	S	C	R
ACL 2019 57th Annual Meeting of the Association for Computational Linguistics	Florence, Italy					*
Euro-Par 2019 25th International European Conference on Parallel and Distributed Computing	Göttingen, Germany					*
NAACL-HLT 2019 17th Meeting of the North American Chapter of the Association for Computational Linguistics	Minneapolis, USA				*	
ISHS 2019 31st International Society for Humor Studies Conference	Austin, USA				*	
SemEval-2019 13th International Workshop on Semantic Evaluation	Minneapolis, USA					*
EMNLP 2018 2018 Conference on Empirical Methods in Natural Language Processing	Brussels, Belgium		*			*
AINL 2018 7th Conference on Artificial Intelligence and Natural Language	St. Petersburg, Russia					*
AIST 2018 7th Conference on the Analysis of Images, Social Networks, and Texts	Moscow, Russia					*
COLING 2018 27th International Conference on Computational Linguistics	Santa Fe, USA					*
ACL 2018 56th Annual Meeting of the Association for Computational Linguistics	Melbourne, Australia				*	*
WWW 2018 The 27th World Wide Web Conference	Lyon, France					*
ConTIn-6 6th Conference on Text Interpretation	Tyumen, Russia	*		*		
NAACL 2018 16th Meeting of the North American Chapter of the Association for Computational Linguistics	New Orleans, USA		*			
ISHS 2018 30th International Society for Humor Studies Conference	Tallinn, Estonia	*			*	

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EVENT	LOCATION	P	A	S	C	R
SemEval-2018 12th International Workshop on Semantic Evaluation	New Orleans, USA					*
ArgMining 2017 4th Workshop on Argument Mining at EMNLP 2017	Copenhagen, Denmark					*
EMNLP 2017 2017 Conference on Empirical Methods in Natural Language Processing	Copenhagen, Denmark					*
*SEM 2017 6th Joint Conference on Lexical and Computational Semantics	Vancouver, Canada					*
ACL 2017 55th Annual Meeting of the Association for Computational Linguistics	Vancouver, Canada	*				*
SemEval-2017 11th International Workshop on Semantic Evaluation	Vancouver, Canada	*	*	*	*	*
ISHS 2017 29th International Society for Humor Studies Conference	Montreal, Canada		*			
AIST 2017 6th Conference on the Analysis of Images, Social Networks, and Texts	Moscow, Russia					*
EACL 2017 15th Conference of the European Chapter of the Association for Computational Linguistics	Valencia, Spain		*			*
COLING 2016 26th International Conference on Computational Linguistics	Osaka, Japan		*			*
ACL 2016 54th Annual Meeting of the Association for Computational Linguistics	Berlin, Germany					*
*SEM 2016 5th Joint Conference on Lexical and Computational Semantics	Berlin, Germany					*
ISSSHL 2016 16th International Summer School and Symposium on Humour and Laughter	Braşov, Romania	*		*		
LREC 2016 10th International Conference on Language Resources and Evaluation	Portorož, Slovenia	*	*	*		
GermEval 2015: LexSub 1st Workshop on German Lexical Substitution	Essen, Germany	*	*	*	*	*

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EVENT	LOCATION	P	A	S	C	R
ACL-IJCNLP 2015 53rd Annual Meeting of the Association for Computational Linguistics and the 7th International Joint Conference on Natural Language Processing	Beijing, China	*	*	*		*
HIHC 2014 International Humour Symposium of the 4th Hungarian Interdisciplinary Humour Conference	Komárno, Slovakia	*		*		
KONVENS 2014 12. Konferenz zur Verarbeitung natürlicher Sprache	Hildesheim, Germany	*	*	*		
ISHS 2014 26th International Society for Humor Studies Conference	Utrecht, Netherlands	*	*	*		
LREC 2014 9th International Conference on Language Resources and Evaluation	Reykjavík, Iceland	*	*	*		
GSCL 2013 25th International Conference of the German Society for Computational Linguistics and Language Technology	Darmstadt, Germany	*		*		*
ACL 2013 51th Annual Meeting of the Association for Computational Linguistics	Sofia, Bulgaria	*	*	*		
COLING 2012 24th International Conference on Computational Linguistics	Mumbai, India	*	*	*		
RANLP 2009 7th International Conference on Recent Advances in Natural Language Processing	Borovets, Bulgaria	*	*	*		
ICPR 2006 18th International Conference on Pattern Recognition	Hong Kong		*			
FinTAL 2006 5th International Conference on Natural Language Processing	Turku, Finland		*			
DAS 2006 7th IAPR Workshop on Document Analysis Systems	Nelson, New Zealand					*
STI Jahrestreffen 2005 2005 Jahrestreffen der Software Technologie Initiative Kaiserslautern	Kaiserslautern, Germany	*				
K-CAP 2005 3rd International Conference on Knowledge Capture	Banff, Canada	*	*	*		

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EVENT	LOCATION	P	A	S	C	R
ICDAR 2005 8th International Conference on Document Analysis and Recognition	Seoul, South Korea					*
Wikimania 2005 1st International Wikimedia Conference	Frankfurt, Germany	*				
ICAPR 2005 3rd International Conference on Advances in Pattern Recognition	Bath, UK					*
PracT_EX 2005 Practical T _E X 2005	Chapel Hill, USA	*	*	*		
SPC 2005 2nd International Conference on Security in Pervasive Computing	Boppard, Germany		*			
SAC 2005 20th Annual ACM Symposium on Applied Computing	Santa Fe, New Mexico					*
DAS 2004 6th IAPR Workshop on Document Analysis Systems	Florence, Italy					*
ICPR 2004 17th International Conference on Pattern Recognition	Cambridge, UK					*
DIAL 2004 1st International Workshop on Document Image Analysis for Libraries	Palo Alto, USA					*
RANLP 2003 4th International Conference on Recent Advances in Natural Language Processing	Borovets, Bulgaria	*	*	*		
LinuxTag 2003	Karlsruhe, Germany	*				
COMPLEX 2003 7th Conference on Computational Lexicography and Text Research	Budapest, Hungary	*				
EACL 2003 10th Conference of the European Chapter of the Association for Computational Linguistics	Budapest, Hungary	*				
ACL 2002 40th Annual Meeting of the Association for Computational Linguistics	Philadelphia, USA	*				
NAACL 2001 2nd Meeting of the North American Chapter of the Association for Computational Linguistics	Pittsburgh, USA	*				
ICTAI 2000 12th IEEE International Conference on Tools with Artificial Intelligence	Vancouver, Canada		*			