

Tristan Miller

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Current position

Senior research scientist

Ubiquitous Knowledge Processing Lab, Technische Universität Darmstadt

Areas of specialization

Natural language processing:

lexical semantics • text/argumentation mining • computational humour

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

Appointments held

- 2018– *Senior research scientist*
Ubiquitous Knowledge Processing Lab, Technische Universität Darmstadt
- 2017– *Associate faculty member*
Ontological Semantic Technology Laboratory, Texas A&M University-Commerce
- 2016–2017 *Associated researcher*
Ubiquitous Knowledge Processing Lab, German Institute for International Educational Research (DIPF)
- 2015– *Associated researcher*
Research Training Group GRK 1994: Adaptive Preparation of Information from Heterogeneous Sources (AIPHES), Technische Universität Darmstadt
- 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

- 2015–2019 *Information Consolidation: A New Paradigm in Knowledge Search*
Co-author and proposal coordinator. German Research Foundation (DFG DIP), €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.
- [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/TAL.2000.889898](https://doi.org/10.1109/TAL.2000.889898).

REFEREED ARTICLES IN TECHNICAL JOURNALS

- [1] T. Miller. **Producing Beautiful Slides with \LaTeX : An Introduction to the HA-prosper Package**. In: *The Prac \TeX Journal* 2(1) (Apr. 2005). ISSN: 1556-6994.
- [2] T. Miller. **Biblet: A Portable Bib \TeX 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 \LaTeX 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 detection and interpretation of puns.” 16th International Summer School and Symposium on Humour and Laughter: Theory, Research and Applications, Transilvania University of Braşov, Romania.
- 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)

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)
- 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)evviewer/PC member

EVENT	LOCATION	P	A	S	C	R
NAACL-HLT 2019 17th Meeting of the North American Chapter of the Association for Computational Linguistics	Minneapolis, USA				*	
SemEval-2019 13th International Workshop on Semantic Evaluation	TBA					*
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	*			*	
SemEval-2018 12th International Workshop on Semantic Evaluation	New Orleans, USA					*

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EVENT	LOCATION	P	A	S	C	R
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					*
ISSHL 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	*	*	*		

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EVENT	LOCATION	P	A	S	C	R
GermEval 2015: LexSub 1st Workshop on German Lexical Substitution	Essen, Germany	*	*	*	*	*
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		*			

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EVENT	LOCATION	P	A	S	C	R
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	*	*	*		
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	*				

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EVENT	LOCATION	P	A	S	C	R
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		*			