

# Tristan Miller

✉ E2-445 EITC – 75 Chancellors Circle  
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## Current positions

- 2023– *Assistant professor*  
Department of Computer Science, University of Manitoba
- 2023– *Associate researcher (by courtesy)*  
Austrian Research Institute for Artificial Intelligence (OFAI)
- 2017– *Associate faculty member (by courtesy)*  
Semantic Artificial Intelligence and Creativity Laboratory, Texas A&M University–Commerce

## 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

- 2019–2023 *Senior research scientist*  
Austrian Research Institute for Artificial Intelligence (OFAI)
- 2023 *Senior research scientist*  
Smart Digital Industries & Services, Research Studios Austria (RSA FG)
- 2018–2019 *Senior research scientist*  
Ubiquitous Knowledge Processing Lab, Technische Universität Darmstadt
- 2015–2019 *Associated researcher*  
Research Training Group GRK 1994: Adaptive Preparation of Information from Heterogeneous Sources (AIPHES), Technische Universität Darmstadt
- 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), €175K.
- 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

- 2021 Outstanding Reviewer, 16th Conference of the European Chapter of the Association for Computational Linguistics (EACL 2021)
- 2019 Outstanding Reviewer, 2019 Conference on Empirical Methods in Natural Language Processing and 9th International Joint Conference on Natural Language Processing (EMNLP–IJCNLP 2019)
- 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 JOURNAL ARTICLES

- [1] Tristan Miller, Camille Paloque-Bergès, and Avery Dame-Griff. **Remembering Netizens: An Interview with Ronda Hauben, Co-Author of Netizens: On the History and Impact of Usenet and the Internet (1997)**. In: *Internet Histories: Digital Technology, Culture and Society* 7(1) (2022), pp. 76–98. ISSN: 2470-1483. DOI: [10.1080/24701475.2022.2123120](https://doi.org/10.1080/24701475.2022.2123120).
- [2] Tristan Miller. **Dmitri Borgmann’s Rotas Square Articles**. In: *Notes and Queries* 67(3) (Sept. 2020), pp. 431–432. ISSN: 0029-3970. DOI: [10.1093/notesj/gjaa113](https://doi.org/10.1093/notesj/gjaa113).
- [3] Tristan Miller and Denis Auroux. **GPP, the Generic Preprocessor**. In: *Journal of Open Source Software* 5(51) (July 2020). ISSN: 2475-9066. DOI: [10.21105/joss.02400](https://doi.org/10.21105/joss.02400).
- [4] Tristan Miller, Erik-Lân Do Dinh, Edwin Simpson, and Iryna Gurevych. **Predicting the Humorousness of Tweets Using Gaussian Process Preference Learning**. In: *Procesamiento del Lenguaje Natural* 64 (Mar. 2020), pp. 37–44. ISSN: 1135-5948. DOI: [10.26342/2020-64-4](https://doi.org/10.26342/2020-64-4).
- [5] Tristan Miller and Mladen 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. DOI: [10.7592/EJHR2016.4.1.miller](https://doi.org/10.7592/EJHR2016.4.1.miller).
- [6] Tristan 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.
- [7] Tristan Miller. **Biblet: A Portable Bib $\TeX$  Bibliography Style for Generating Highly Customizable XHTML**. In: *TUGboat: The Communications of the  $\TeX$  Users Group* 26(1) (2005), pp. 85–96. ISSN: 0896-3207.
- [8] Tristan Miller. **Using the RPM Package Manager for  $\LaTeX$  Packages**. In: *TUGboat: The Communications of the  $\TeX$  Users Group* 26(1) (2005), pp. 17–28. ISSN: 0896-3207.

- [9] Tristan 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).
- [10] Michael J. Maher, Allan Rock, Grigoris Antoniou, David Billington, and Tristan 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).
- [11] Yang Xiang and Tristan 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] Waltraud Kolb and Tristan Miller. La interacción entre el hombre y la máquina en la traducción de juegos de palabras [Human–Computer Interaction in Pun Translation]. In: *La traducción audiovisual a través de la traducción automática y la posesición: prácticas actuales y futuras*. Ed. by Laura Mejías-Climent and Julio de los Reyes Lozano. Translated by Lorena Pérez Macías. Granada: Comares, July 2023, pp. 37–60. ISBN: 978-84-1369-525-9.
- [2] Waltraud Kolb and Tristan Miller. **Human–Computer Interaction in Pun Translation**. In: *Using Technologies for Creative-Text Translation*. Ed. by James Luke Hadley, Kristiina Taivalkoski-Shilov, Carlos S. C. Teixeira, and Antonio Toral. Routledge, 2022, pp. 66–88. ISBN: 978-1-003-09415-9. DOI: [10.4324/9781003094159-4](https://doi.org/10.4324/9781003094159-4).
- [3] Christian F. Hempelmann and Tristan Miller. **Puns: Taxonomy and Phonology**. In: *The Routledge Handbook of Language and Humor*. Ed. by Salvatore Attardo. Routledge Handbooks in Linguistics. New York, NY: Routledge, Feb. 2017, pp. 95–108. ISBN: 978-1-138-84306-6. DOI: [10.4324/97811315731162-8](https://doi.org/10.4324/97811315731162-8).
- [4] Tristan Miller. **Latent Semantic Analysis and the Construction of Coherent Extracts**. In: *Recent Advances in Natural Language Processing III*. Ed. by Nicolas Nicolov, Kalina Botcheva, Galia Angelova, and Ruslan 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] Liana Ermakova, Anne-Gwenn Bosser, Tristan Miller, Tremaine Thomas-Young, Victor Manuel Palma Preciado, Grigori Sidorov, and Adam Jatowt. CLEF 2024 JOKER Lab: Automatic Humour Analysis. In: *Advances in Information Retrieval: 46th European Conference on Information Retrieval, ECIR 2024, Glasgow, Scotland, March 24–28, Proceedings*. Ed. by Nazli Goharian, Nicola Tonellotto, Yulan He, Aldo Lipani, Graham McDonald, Craig Macdonald, and Iadh Ounis. Lecture Notes in Computer Science. To appear. Cham: Springer Nature Switzerland, Mar. 2024. ISSN: 0302-9743.
- [2] Liana Ermakova, Tristan Miller, Anne-Gwenn Bosser, Victor Manuel Palma Preciado, Grigori Sidorov, and Adam Jatowt. **Overview of JOKER – CLEF-2023 Track on Automatic Wordplay Analysis**. In: *Experimental IR Meets Multilinguality, Multimodality,*

- and Interaction: Proceedings of the Fourteenth International Conference of the CLEF Association (CLEF 2023)*. Ed. by Avi Arampatzis, Evangelos Kanoulas, Theodora Tsirikika, Stefanos Vrochidis, Anastasia Giachanou, Dan Li, Mohammad Aliannejadi, Michalis Vlachos, Guglielmo Faggioli, and Nicola Ferro. Vol. 14163. Lecture Notes in Computer Science. Cham: Springer, Sept. 2023, pp. 397–415. ISSN: 0302-9743. ISBN: 978-3-031-42448-9. DOI: [10.1007/978-3-031-42448-9\\_26](https://doi.org/10.1007/978-3-031-42448-9_26).
- [3] Liana Ermakova, Anne-Gwenn Bosser, Adam Jatowt, and Tristan Miller. **The JOKER Corpus: English–French Parallel Data for Multilingual Wordplay Recognition**. In: *SIGIR '23: Proceedings of the 46th International ACM SIGIR Conference on Research and Development in Information Retrieval*. New York, NY: Association for Computing Machinery, July 2023, pp. 2796–2806. ISBN: 978-1-4503-9408-6. DOI: [10.1145/3539618.3591885](https://doi.org/10.1145/3539618.3591885).
- [4] Liana Ermakova, Tristan Miller, Anne-Gwenn Bosser, Victor Manuel Palma Preciado, Grigori Sidorov, and Adam Jatowt. **Science for Fun: The CLEF 2023 JOKER Track on Automatic Wordplay Analysis**. In: *Advances in Information Retrieval: 45th European Conference on Information Retrieval, ECIR 2023, Dublin, Ireland, April 2–6, Proceedings, Part III*. Ed. by Jaap Kamps, Lorraine Goeuriot, Fabio Crestani, Maria Maistro, Hideo Joho, Brian Davis, Cathal Gurrin, Udo Kruschwitz, and Annalina Caputo. Vol. 13982. Lecture Notes in Computer Science. Berlin, Heidelberg: Springer, Apr. 2023, pp. 546–556. ISSN: 0302-9743. ISBN: 978-3-031-28241-6. DOI: [10.1007/978-3-031-28241-6\\_63](https://doi.org/10.1007/978-3-031-28241-6_63).
- [5] Liana Ermakova, Tristan Miller, Orlane Puchalski, Fabio Regattin, Élise Mathurin, Sílvia Araújo, Anne-Gwenn Bosser, Claudine Borg, Monika Bokinić, Gaëlle Le Corre, Benoît Jeanjean, Radia Hannachi, Gerg Mallia, Gordan Matas, and Mohamed Saki. **CLEF Workshop JOKER: Automatic Wordplay and Humour Translation**. In: *Advances in Information Retrieval: 44th European Conference on IR Research, ECIR 2022, Stavanger, Norway, April 10–14, 2022, Proceedings, Part II*. Ed. by Matthias Hagen, Suzan Verberne, Craig Macdonald, Christin Seifert, Krisztian Balog, Kjetil Nørvåg, and Vinay Setty. Lecture Notes in Computer Science. Berlin, Heidelberg: Springer, Apr. 2022, pp. 355–363. ISSN: 0302-9743. ISBN: 978-3-030-99738-0. DOI: [10.1007/978-3-030-99739-7\\_45](https://doi.org/10.1007/978-3-030-99739-7_45).
- [6] Liana Ermakova, Tristan Miller, Fabio Regattin, Anne-Gwenn Bosser, Claudine Borg, Élise Mathurin, Gaëlle Le Corre, Sílvia Araújo, Radia Hannachi, Julien Boccou, Albin Digue, Aurianne Damoy, and Benoît Jeanjean. **Overview of JOKER@CLEF 2022: Automatic Wordplay and Humour Translation Workshop**. In: *Experimental IR Meets Multilinguality, Multimodality, and Interaction: Proceedings of the Thirteenth International Conference of the CLEF Association (CLEF 2022)*. Ed. by Alberto Barrón-Cedeño, Giovanni Da San Martino, Mirko Degli Esposti, Fabrizio Sebastiani, Craig Macdonald, Gabriella Pasi, Allan Hanbury, Martin Potthast, Guglielmo Faggioli, and Nicola Ferro. Vol. 13390. Lecture Notes in Computer Science. Cham: Springer, 2022, pp. 447–469. ISSN: 0302-9743. ISBN: 978-3-031-13642-9. DOI: [10.1007/978-3-031-13643-6\\_27](https://doi.org/10.1007/978-3-031-13643-6_27).
- [7] Jörg Wöckener, Thomas Haider, Tristan Miller, The-Khang Nguyen, Thanh Tung Linh Nguyen, Minh Vu Pham, Jonas Belouadi, and Steffen Eger. **End-to-end Style-Conditioned Poetry Generation: What Does It Take to Learn from Examples Alone?**

- In: *Proceedings of the 5th Joint SIGHUM Workshop on Computational Linguistics for Cultural Heritage, Social Sciences, Humanities and Literature (LaTeCH-CLfL 2021)*. Nov. 2021, pp. 57–66. DOI: [10.18653/v1/2021.latechclfl-1.7](https://doi.org/10.18653/v1/2021.latechclfl-1.7).
- [8] Alexandra Uma, Tommaso Fornaciari, Anca Dumitrache, Tristan Miller, Jon Chamberlain, Barbara Plank, Edwin Simpson, and Massimo Poesio. **SemEval-2021 Task 12: Learning with Disagreements**. In: *Proceedings of the 15th International Workshop on Semantic Evaluation (SemEval-2021)*. Aug. 2021, pp. 338–347. ISBN: 978-1-954085-70-1. DOI: [10.18653/v1/2021.semeval-1.41](https://doi.org/10.18653/v1/2021.semeval-1.41).
- [9] Tristan Miller. **The Punster’s Amanuensis: The Proper Place of Humans and Machines in the Translation of Wordplay**. In: *Proceedings of the Second Workshop on Human-Informed Translation and Interpreting Technology (HiT-IT 2019)*. Sept. 2019, pp. 57–64. ISSN: 2683-0078. DOI: [10.26615/issn.2683-0078.2019\\_007](https://doi.org/10.26615/issn.2683-0078.2019_007).
- [10] Tristan Miller, Erik-Lân Do Dinh, Edwin Simpson, and Iryna Gurevych. **OFAI-UKP at HAHA@IberLEF2019: Predicting the Humorousness of Tweets Using Gaussian Process Preference Learning**. In: *Proceedings of the Iberian Languages Evaluation Forum (IberLEF 2019)*. Ed. by Miguel Ángel García Cumbreiras, Julio Gonzalo, Eugenio Martínez Cámara, Raquel Martínez Unanue, Paolo Rosso, Jorge Carrillo-de-Albornoz, Soto Montalvo, Luis Chiruzzo, Sandra Collovini, Yoan Guitiérrez, Salud Jiménez Zafra, Martin Krallinger, Manuel Montes-y-Gómez, Reynier Ortega-Bueno, and Aiala Rosá. Vol. 2421. CEUR Workshop Proceedings. Aug. 2019, pp. 180–190. ISSN: 1613-0073.
- [11] Edwin Simpson, Erik-Lân Do Dinh, Tristan Miller, and Iryna Gurevych. **Predicting Humorousness and Metaphor Novelty with Gaussian Process Preference Learning**. In: *Proceedings of the 57th Annual Meeting of the Association for Computational Linguistics (ACL 2019)*. July 2019, pp. 5716–5728. ISBN: 978-1-950737-48-2. DOI: [10.18653/v1/P19-1572](https://doi.org/10.18653/v1/P19-1572).
- [12] Tristan Miller, Maria Sukhareva, and Iryna Gurevych. **A Streamlined Method for Sourcing Discourse-level Argumentation Annotations from the Crowd**. In: *Proceedings of the 17th Annual Conference of the North American Chapter of the Association for Computational Linguistics: Human Language Technologies (NAACL-HLT 2019)*. Vol. 1. June 2019, pp. 1790–1796. ISBN: 978-1-950737-13-0. DOI: [10.18653/v1/N19-1177](https://doi.org/10.18653/v1/N19-1177).
- [13] Christian Stab, Tristan Miller, Benjamin Schiller, Pranav Rai, and Iryna 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. DOI: [10.18653/v1/D18-1402](https://doi.org/10.18653/v1/D18-1402).
- [14] Christian Stab, Johannes Daxenberger, Chris Stahlhut, Tristan Miller, Benjamin Schiller, Christopher Tauchmann, Steffen Eger, and Iryna 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).
- [15] Tristan Miller, Christian F. Hempelmann, and Iryna 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. DOI: [10.18653/v1/S17-2005](https://doi.org/10.18653/v1/S17-2005).
- [16] Sallam Abualhaija, Tristan Miller, Judith Eckle-Kohler, Iryna Gurevych, and Karl-Heinz Zimmermann. **Metaheuristic 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.
- [17] Chinnappa Guggilla, Tristan Miller, and Iryna 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.
- [18] Tristan Miller, Mohamed Khemakhem, Richard Eckart de Castilho, and Iryna 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 Nicoletta Calzolari, Khalid Choukri, Thierry Declerck, Marko Grobelnik, Bente Maegaard, Joseph Mariani, Asunción Moreno, Jan Odijk, and Stelios Piperidis. European Language Resources Association, May 2016, pp. 828–835. ISBN: 978-2-9517408-9-1.
- [19] Tristan Miller, Darina Benikova, and Sallam Abualhaija. **GermEval 2015: LexSub – A Shared Task for German-language Lexical Substitution**. In: *Proceedings of GermEval 2015: LexSub*. Sept. 2015, pp. 1–9.
- [20] Tristan Miller and Iryna 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. DOI: [10.3115/v1/P15-1070](https://doi.org/10.3115/v1/P15-1070).
- [21] Michael Matuschek, Tristan Miller, and Iryna Gurevych. **A Language-independent Sense Clustering Approach for Enhanced WSD**. In: *Proceedings of the 12th Konferenz zur Verarbeitung natürlicher Sprache (KONVENS 2014)*. Ed. by Josef Ruppenhofer and Gertrud Faaß. Universitätsverlag Hildesheim, Oct. 2014, pp. 11–21. ISBN: 978-3-934105-46-1.
- [22] Tristan Miller and Iryna 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 Nicoletta Calzolari, Khalid Choukri, Thierry Declerck, Hrafn Loftsson, Bente Maegaard, Joseph Mariani, Asunción Moreno, Jan Odijk, and Stelios Piperidis. European Language Resources Association, May 2014, pp. 2094–2100. ISBN: 978-2-9517408-8-4.
- [23] Tristan Miller, Nicolai Erbs, Hans-Peter Zorn, Torsten Zesch, and Iryna 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.
- [24] Tristan Miller, Chris Biemann, Torsten Zesch, and Iryna Gurevych. **Using Distributional Similarity for Lexical Expansion in Knowledge-based Word Sense Disambiguation**

- tion. In: *Proceedings of the 24th International Conference on Computational Linguistics (COLING 2012)*. Ed. by Martin Kay and Christian Boitet. Dec. 2012, pp. 1781–1796.
- [25] Tristan Miller, Bertin Klein, and Elisabeth 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 Galia Angelova, Kalina Bontcheva, Ruslan Mitkov, Nicolas Nicolov, and Nikolai Nikolov. ACM Press, Sept. 2009, pp. 241–245.
- [26] Tristan Miller and Elisabeth Wolf. **Word Completion with Latent Semantic Analysis**. In: *Proceedings of the 18th International Conference on Pattern Recognition (ICPR 2006)*. Ed. by Yuan Yan Tang, S. Patrick Wang, G. Lorette, Daniel So Yeung, and Hong 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).
- [27] Elisabeth Wolf, Shankar Vembu, and Tristan Miller. **On the Use of Topic Models for Word Completion**. In: *Advances in Natural Language Processing: 5th International Conference on NLP, FinTAL 2006 Turku, Finland, August 23–25, 2006 Proceedings*. Ed. by Tapio Salakoski, Filip Ginter, Sampo Pyysalo, and Tapio 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).
- [28] Tristan Miller and Stefan Agne. **Attention-based Information Retrieval Using Eye Tracker Data**. In: *Proceedings of the 3rd International Conference on Knowledge Capture (K-CAP 2005)*. Ed. by Peter Clark and Guus 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).
- [29] Bertin Klein, Tristan Miller, and Sandra Zilles. **Security Issues for Pervasive Personalized Communication Systems**. In: *Security in Pervasive Computing: Second International Conference, SPC 2005, Boppard, Germany, April 6–8, 2005. Proceedings*. Ed. by Dieter Hutter and Markus Ullmann. Vol. 3450. Lecture Notes in Computer Science. Boppard, Germany: Springer, Apr. 2005, pp. 56–62. ISSN: 0302-9743. ISBN: 3-540-25521-4. DOI: [10.1007/978-3-540-32004-3\\_7](https://doi.org/10.1007/978-3-540-32004-3_7).
- [30] Tristan 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 Galia Angelova, Kalina Bontcheva, Ruslan Mitkov, Nicolas Nicolov, and Nikolai Nikolov. Sept. 2003, pp. 270–277. ISBN: 954-90906-6-3.
- [31] Michael J. Maher, Allan Rock, Grigoris Antoniou, David Billington, and Tristan 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).

## THESES

- [1] Tristan 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] Tristan 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] Liana Ermakova, Tristan Miller, Anne-Gwenn Bosser, Victor Manuel Palma Preciado, Grigori Sidorov, and Adam Jatowt. **Overview of JOKER 2023 Automatic Wordplay Analysis Task 1 – Pun Detection**. In: *Working Notes of CLEF 2023 – Conference and Labs of the Evaluation Forum*. Ed. by Mohammad Aliannejadi, Guglielmo Faggioli, Nicola Ferro, and Michalis Vlachos. Vol. 3497. CEUR Workshop Proceedings. Oct. 2023, pp. 1785–1803. ISSN: 1613-0073.
- [2] Liana Ermakova, Tristan Miller, Anne-Gwenn Bosser, Victor Manuel Palma Preciado, Grigori Sidorov, and Adam Jatowt. **Overview of JOKER 2023 Automatic Wordplay Analysis Task 2 – Pun Location and Interpretation**. In: *Working Notes of CLEF 2023 – Conference and Labs of the Evaluation Forum*. Ed. by Mohammad Aliannejadi, Guglielmo Faggioli, Nicola Ferro, and Michalis Vlachos. Vol. 3497. CEUR Workshop Proceedings. Oct. 2023, pp. 1804–1817. ISSN: 1613-0073.
- [3] Liana Ermakova, Tristan Miller, Anne-Gwenn Bosser, Victor Manuel Palma Preciado, Grigori Sidorov, and Adam Jatowt. **Overview of JOKER 2023 Automatic Wordplay Analysis Task 3 – Pun Translation**. In: *Working Notes of CLEF 2023 – Conference and Labs of the Evaluation Forum*. Ed. by Mohammad Aliannejadi, Guglielmo Faggioli, Nicola Ferro, and Michalis Vlachos. Vol. 3497. CEUR Workshop Proceedings. Oct. 2023, pp. 1818–1827. ISSN: 1613-0073.
- [4] Liana Ermakova, Tristan Miller, Julien Boccou, Albin Digue, Aurianne Damoy, and Paul Campen. **Overview of the CLEF 2022 JOKER Task 2: Translate Wordplay in Named Entities**. In: *Proceedings of the Working Notes of CLEF 2022 – Conference and Labs of the Evaluation Forum, Bologna, Italy, September 5th to 8th, 2022*. Ed. by Guglielmo Faggioli, Nicola Ferro, Allan Hanbury, and Martin Potthast. Vol. 3180. CEUR Workshop Proceedings. Aug. 2022, pp. 1666–1680. ISSN: 1613-0073.
- [5] Liana Ermakova, Fabio Regattin, Tristan Miller, Anne-Gwenn Bosser, Sílvia Araújo, Claudine Borg, Gaëlle Le Corre, Julien Boccou, Albin Digue, Aurianne Damoy, Paul Campen, and Orlane Puchalski. **Overview of the CLEF 2022 JOKER Task 1: Classify and Explain Instances of Wordplay**. In: *Proceedings of the Working Notes of CLEF 2022 – Conference and Labs of the Evaluation Forum, Bologna, Italy, September 5th to 8th, 2022*. Ed. by Guglielmo Faggioli, Nicola Ferro, Allan Hanbury, and Martin Potthast. Vol. 3180. CEUR Workshop Proceedings. Aug. 2022, pp. 1641–1665. ISSN: 1613-0073.
- [6] Liana Ermakova, Fabio Regattin, Tristan Miller, Anne-Gwenn Bosser, Claudine Borg, Benoît Jeanjean, Élise Mathurin, Gaëlle Le Corre, Radia Hannachi, Sílvia Araújo, Julien Boccou, Albin Digue, and Aurianne Damoy. **Overview of the CLEF 2022 JOKER Task 3: Pun Translation from English into French**. In: *Proceedings of the Working Notes of CLEF 2022 – Conference and Labs of the Evaluation Forum, Bologna, Italy, September 5th to 8th, 2022*. Ed. by Guglielmo Faggioli, Nicola Ferro, Allan Hanbury, and Martin Potthast. Vol. 3180. CEUR Workshop Proceedings. Aug. 2022, pp. 1681–1700. ISSN: 1613-0073.

- [7] Tristan Miller. **Reinhold Aman, 1936–2019**. In: *Humor: International Journal of Humor Research* 32(1) (Feb. 2020), pp. 1–5. ISSN: 0933-1719. DOI: [10.1515/humor-2019-0085](https://doi.org/10.1515/humor-2019-0085).
- [8] Tristan Miller. Reinhold Aman (1936–2019). In: *The LINGUIST List* 30.4729 (Dec. 2019).
- [9] Christian Stab, Tristan Miller, and Iryna Gurevych. **Cross-topic Argument Mining from Heterogeneous Sources Using Attention-based Neural Networks**. In: *ArXiv e-prints* 1802.05758 (Feb. 2018).

PUBLISHED ABSTRACTS WITHOUT AN ACCOMPANYING PAPER

- [1] Tiansi Dong, Anthony Cohn, Christian Hempelmann, Kanishka Misra, Jens Lehmann, Alexander Mehler, Tristan Miller, Siba Mohsen, Roberto Navigli, Julia Rayz, Stefan Wrobel, Ron Sun, and Volker Tresp. **Towards a Survey of Meaning Representation**. In: *Dagstuhl Reports* 11(8) (2022), p. 29. ISSN: 2192-5283.
- [2] Alexander Mehler, Tiansi Dong, Thomas Liebig, Tristan Miller, Siba Mohsen, and Sven Naumann. **What Is Missing in ML&AI to Understand Jokes?** In: *Dagstuhl Reports* 11(8) (2022), p. 32. ISSN: 2192-5283.
- [3] Tristan Miller, Anthony Cohn, Tiansi Dong, Christian Hempelmann, Siba Mohsen, and Julia Rayz. **Can We Diagram the Understanding of Humour?** In: *Dagstuhl Reports* 11(8) (2022), p. 33. ISSN: 2192-5283.
- [4] Roberto Navigli, Tiansi Dong, Thomas Liebig, Yong Liu, Alexander Mehler, Tristan Miller, Siba Mohsen, and Sven Naumann. **Rotating Sphere Model for NLP**. In: *Dagstuhl Reports* 11(8) (2022), pp. 29–30. ISSN: 2192-5283.
- [5] Tristan Miller. **Don't Shun the Pun: On the Requirements and Constraints for Preserving Ambiguity in the (Machine) Translation of Humour**. In: *Joint Proceedings of REFSQ-2020 Workshops, Doctoral Symposium, Live Studies Track, and Poster Track collocated with the 26th International Conference on Requirements Engineering: Foundation for Software Quality (REFSQ 2020)*. Ed. by Mehrdad Sabetzadeh, Andreas Vogelsang, Sallam Abualhaija, Markus Borg, Fabiano Dalpiaz, Maya Daneva, Nelly C. Fernández, Xavier Franch, Davide Fucci, Vincenzo Gervasi, Eduard Groen, Renata Guizzardi, Andrea Herrmann, Jennifer Horkoff, Luisa Mich, Anna Perini, and Angelo Susi. Vol. 2584. CEUR Workshop Proceedings. Mar. 2020. ISSN: 1613-0073.
- [6] Tristan Miller, Malou Ockenfels, and Yevgeny Puzikov. Detecting Humorous Images by Caption Analysis. In: *Proceedings of the 2019 Conference of the International Society for Humor Studies*. June 2019.
- [7] Tristan Miller, Edwin Simpson, Erik-Lân Do Dinh, and Iryna Gurevych. A Bayesian Approach for Predicting the Humorousness of One-liners. In: *Proceedings of the 2019 Conference of the International Society for Humor Studies*. June 2019.
- [8] Tristan Miller. **An Analysis of Ambiguity in English Puns**. In: *International Humour Symposium [of the 4th Hungarian Interdisciplinary Humour Conference]: Programme and Abstracts*. Komárno, Slovakia: J. Selye University, Faculty of Education, Department of Modern Philology, Nov. 2014.

## 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

- 2023 “Computational analysis and translation of wordplay.” Institute for Machine Learning, Johannes Kepler University Linz, Austria.
- 2023 “Bringing AI into comms.” Panel discussion member, Internal Comms Forum 2023, Vienna, Austria.
- 2023 “Computational analysis and translation of wordplay.” Department of Computer Science, University of Manitoba, Canada.
- 2023 “Computational analysis and translation of wordplay.” Department of Linguistics, University of Konstanz, Germany.
- 2023 “Computational analysis and translation of wordplay.” Department of Computer Science, University of Regina, Canada.
- 2021 “Human–computer interaction in pun translation.” XIII Setmana de la Traducció Audiovisual, Castellón, Spain.
- 2021 Panel discussion member, Workshop on Non-Binary Language Towards Non-Binary Language Technology (GenderFairMT), Vienna, Austria.
- 2021 “Человеко-компьютерное взаимодействие при переводе игры слов.” Abkhaz State University, Sukhumi, Abkhazia.
- 2021 “Human–computer interaction in pun translation.” Centre for Translation Studies, University of Vienna, Austria.
- 2021 “Human–computer interaction in pun translation.” Words/Machines-2021: Do Machines Have a Sense of Humor?, Brest, France.
- 2021 “Human–computer interaction in pun translation.” Department of Linguistics and Modern Languages, University of Huddersfield, United Kingdom.
- 2020 “Don’t shun the pun: On the requirements and constraints for preserving ambiguity in the (machine) translation of humour.” 3rd Workshop on Natural Language Processing for Requirements Engineering, Pisa, Italy. Keynote address.
- 2019 “The Punster’s Amanuensis: The Proper Place of Humans and Machines in the Formulation of Wordplay”. 2nd Comedy and AI Conference, Oxford, UK.
- 2019 “Computational pun-derstanding: Towards the computer-assisted translation of humorous wordplay.” Centre for Translation Studies, University of Vienna, Austria.
- 2019 “Natural language processing: What is it for and how does it work?” Brainstorm #11: Machines vs. Biology, Brainstorms Scientific LBF GmbH, Vienna, Austria.
- 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] Kimia Shadkami. **Welcoming New Talent – Meet the New Pioneering Researchers in the Department of Computer Science.** In: *UM Today* (Jan. 22, 2024).
- [2] Alfonso Maruccia. **Usenet Is Still Alive, and the Big-8 Board Is Managing Things Again.** In: *TechSpot* (Aug. 31, 2023).
- [3] Liam Proven. **USENET, the OG Social Network, Rises Again Like a Text-Only Phoenix.** In: *The Register* (Aug. 30, 2023).
- [4] **Publikációk.** In: *Magyar Tudományosság Külföldön Elnöki Bizottság Hírlevele* 12(10) (Oct. 15, 2022), p. 5.
- [5] **Publikációk.** In: *Magyar Tudományosság Külföldön Elnöki Bizottság Hírlevele* 12(9) (Sept. 15, 2022), p. 3.
- [6] **ААУ дагмааум авструатэи ацарага.** Abkhaz State University Press Service. June 29, 2021.
- [7] **Профессор из Австрии Тристан Миллер провел в АГУ мастер-класс.** Abkhaz State University Press Service. June 29, 2021.
- [8] Adriana D’Adamo. **Warum Künstliche Intelligenzen (noch) keine erfolgreichen Stand-Up-Comedians werden können.** In: *1E9* (May 8, 2021).
- [9] **Publikációk.** In: *Magyar Tudományosság Külföldön Elnöki Bizottság Hírlevele* 10(8) (Aug. 15, 2020), pp. 2–4.
- [10] Mariann Unterluggauer. **Computer verstehen keinen Spaß: Die Tücken der maschinellen Übersetzung.** *Digital.Leben*, Ö1 Radio, Austria. Jan. 15, 2020.
- [11] Seth Borenstein. **No AI in Humor: R2-D2 Walks into a Bar, Doesn’t Get the Joke.** In: *AP News* (Mar. 31, 2019). This Associated Press wire story also appeared in *The Washington Post*, *The New York Times*, *Voice of America*, *The Los Angeles Times*, and other outlets.
- [12] Christian Hempelmann. **31st International Society for Humor Studies Conference.** In: *The Humorous Times: Newsletter of the International Society for Humor Studies* 32(3) (Sum. 2019), p. 1.

- [13] Arne Grävemeyer. **Suchmaschine der Argumente**. In: *c't* 21 (Sept. 28, 2018), p. 35. ISSN: 0724-8679.
- [14] Robert Weber. **ArgumenText: Das neue „Google“ für Ingenieure?** In: *Factory* (Sept. 17, 2018).
- [15] Andreas Reiners. **Forschungsprojekt: Argumente für jedes Thema**. In: *Business Panorama: Das Wirtschaftsmagazin* (Sept. 14, 2018).
- [16] Claudia Staub. **TU Darmstadt entwickelt Argumentsuche für Internet-Texte**. In: *idw – Informationsdienst Wissenschaft* 48 (Sept. 14, 2018).
- [17] Silke Paradowski. **Argumente aus dem Rauschen**. In: *hoch<sup>3</sup> FORSCHEN: Das Medium für Wissenschaft* 7(3) (Aut. 2018), p. 2. ISSN: 2196-1506.
- [18] Silke Paradowski. **Arguments from Amongst the Noise**. In: *hoch<sup>3</sup> FORSCHEN: Science Quarterly* 7(3) (Aut. 2018), p. 2. ISSN: 2196-1506.
- [19] *A Computer Walks into a Bar*. *Talk the Talk*, RTR FM 92.1, Perth, Australia. June 20, 2017.
- [20] Ioana Ciurezu. **International Summer School on Humour and Laughter**. In: *Transilvania University of Braşov Newsletter* 52 (Aug. 2016), p. 5.
- [21] Jo Craven McGinty. **To Find Love Match, Try Love Math (Results Will Vary)**. In: *The Wall Street Journal* (Feb. 14, 2015). ISSN: 0099-9660.
- [22] Scott Hale, Piotr Konieczny, Maximilian Klein, Andrew Krizhanovsky, Tilman Bayer, and Pine. **99.25% of Wikipedia Birthdates Accurate; Focused Wikipedians Live Longer; Merging WordNet, Wikipedia and Wiktionary**. In: *The Wikipedia Signpost* 10(37) (Sept. 24, 2014).
- [23] Liisi 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.
- [24] Sibe 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

UNIVERSITY OF MANITOBA

2024 COMP 2140: Data Structures and Algorithms (course instructor)

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  $\text{\LaTeX}$  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)
- 2000 CSC 468/2204: Operating Systems (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

- 2021–2022 Anna Palmann. “What’s in a Pun? Assessing Influencing Factors on the Perceived Funniness of Puns with a Specific Focus on Word-related Phonological and Semantic Features.” Faculty of Philosophy and Education, University of Vienna.
- 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

2018–2019 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

### CONSULTING EDITOR

2020– *Humor: International Journal of Humor Research*, De Gruyter, ISSN: 0933-1719

### EDITORIAL BOARD MEMBER

2024– *Journal of Open Source Software*, ISSN: 2475-9066

2005–2006 *The PracT<sub>E</sub>X Journal*, T<sub>E</sub>X Users Group, ISSN: 1556-6994

### ADVISORY BOARD MEMBER

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

### REVIEWER (BOOKS & JOURNAL ARTICLES)

2021– *Computational Linguistics*, MIT Press, ISSN: 0891-2017

2021– Cambridge University Press: book proposal reviewer

2020– *Dialogue & Discourse*, ISSN: 2152-9620

2020– *TUGboat: The Communications of the T<sub>E</sub>X Users Group*, T<sub>E</sub>X Users Group, ISSN: 0897-3207

2020– *Humor: International Journal of Humor Research*, De Gruyter, ISSN: 0933-1719

2019– *Natural Language Engineering*, 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 Iryna Gurevych and Jungi 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: book proposal reviewer

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

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

### CONFERENCE & WORKSHOP ORGANIZATION

2025 Faculty Advisor to the Student Research Workshop Chairs, 63rd Annual Meeting of the Association for Computational Linguistics (ACL 2025)

2024 Co-organizer for JOKER: Automatic Wordplay Analysis, 15th Conference and Labs of the Evaluation Forum (CLEF 2024)

2024 Area co-chair for Document Classification, Information Retrieval, and Cross-lingual Retrieval, 2024 Joint International Conference on Computational Linguistics, Language Resources and Evaluation (LREC-COLING 2024)

2023 Co-organizer for JOKER: Automatic Wordplay Analysis, 14th Conference and Labs of the Evaluation Forum (CLEF 2023)

- 2023 Panel co-convenor for Humor & Artificial Intelligence, 33rd International Society for Humor Studies Conference (ISHS 2023)
- 2022 Co-organizer for JOKER: Automatic Pun and Humour Translation, 13th Conference and Labs of the Evaluation Forum (CLEF 2022)
- 2022 Panel co-convenor for Humor & Artificial Intelligence, 32nd International Society for Humor Studies Conference (ISHS 2022)
- 2021 Co-organizer for Task 12: Learning with Disagreements, 15th International Workshop on Semantic Evaluation (SemEval-2021), held at the Joint Conference of the 59th Annual Meeting of the Association for Computational Linguistics and the 11th International Joint Conference on Natural Language Processing (ACL-IJCNLP 2021)
- 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 (ISHS 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 (ISHS 2018)
- 2017 Co-chair for Task 7: Detection and Interpretation of English Puns, 11th International Workshop on Semantic Evaluation (SemEval-2017), held at the 55th Annual Meeting of the Association for Computational Linguistics (ACL 2017)
- 2015 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

- 2021– Austrian Society for Cybernetic Studies (OSGK); deputy secretary (2022–)
- 2020– Usenet Big-8 Management Board, co-chair
- 2019– Austrian Society for Artificial Intelligence (ÖGAI)
- 2017– Hungarian Academy of Sciences (MTA), external member of the public association
- 2014– International Society for Humor Studies (ISHS)
- 2004– T<sub>E</sub>X Users Group (TUG) and UK T<sub>E</sub>X Users Group (UK-TUG)
- 2000– Association for Computational Linguistics (ACL)
- 1999–2002 Canadian Information Processing Society (CIPS); executive member of University of Regina chapter (1999)

#### DEPARTMENTAL & STUDENT BODY SERVICE

- 2020– Web and social media publicity director for the Austrian Research Institute for Artificial Intelligence
- 2011–2019 Web and social media publicity director for the Ubiquitous Knowledge Processing Lab, Technische Universität Darmstadt
- 2000–2003 Executive member of the University of Toronto Computer Science Graduate Students' Benevolent Society

1998–1999 Executive member of the **University of Regina Computer Science Students' Society**

## 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, Russian

### PROGRAMMING/MARKUP LANGUAGES & FRAMEWORKS

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

*Familiar:* C++, Perl, PHP, JavaScript, Python

### 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 2025 63rd Annual Meeting of the Association for Computational Linguistics	TBA				*	
CLEF 2024 15th Conference and Labs of the Evaluation Forum	Grenoble, France		*		*	*
LREC-COLING 2024 2024 Joint International Conference on Computational Linguistics, Language Resources and Evaluation	Turin, Italy				*	
Deep Tech 2023 Deep Tech Workshop 2023	St. Pölten, Austria	*		*	*	
CLEF 2023 14th Conference and Labs of the Evaluation Forum	Thessaloniki, Greece		*		*	*
DECSoS 2023 18th International Workshop on Dependable Smart Embedded Cyber-Physical Systems and Systems-of-Systems	Toulouse, France					*
SIGIR 2023 46th International ACM SIGIR Conference on Research and Development in Information Retrieval	Taipei, Taiwan		*			
ISHS 2023 33rd International Society for Humor Studies Conference	Boston, USA	*	*	*	*	
ICF 2023 1st Internal Comms Forum	Vienna, Austria	*		*		
EACL 2023 17th Conference of the European Chapter of the Association for Computational Linguistics	Dubrovnik, Croatia					*
ECIR 2023 45th European Conference on Information Retrieval	Dublin, Ireland		*			
LibrePlanet 2023	Boston, USA	*		*		
CLEF 2022 13th Conference and Labs of the Evaluation Forum	Bologna, Italy	*	*		*	*
IJCAI-ECAI 2022 31st International Joint Conference on Artificial Intelligence and the 25th European Conference on Artificial Intelligence	Vienna, Austria	*				

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EVENT	LOCATION	P	A	S	C	R
<b>TUG 2022</b> 43rd Annual Conference of the T <sub>E</sub> X Users Group	online	*				
<b>ISHS 2022</b> 32nd International Society for Humor Studies Conference	Bertinoro, Italy	*	*	*	*	
<b>ECIR 2022</b> 44th European Conference on Information Retrieval	Stravanger, Norway		*			
<b>LibrePlanet 2022</b>	online	*		*		
<b>STA 2021</b> XIII Setmana de la Traducció Audiovisual	Castellón, Spain	*		*		
<b>EMNLP 2021</b> 2021 Conference on Empirical Methods in Natural Language Processing	Punta Cana, Dominican Republic					*
<b>LaTeCH-CLfL 2021</b> 5th Joint SIGHUM Workshop on Computational Linguistics for Cultural Heritage, Social Sciences, Humanities and Literature	Punta Cana, Dominican Republic	*	*			
<b>Dagstuhl Seminar 21362</b> Dagstuhl Seminar 21362: Structure and Learning	Wadern, Germany	*	*			
<b>GenderFairMT</b> Workshop on Non-Binary Language Towards Non-Binary Language Technology	Vienna, Austria	*		*		
<b>ACL-IJCNLP 2021</b> 59th Annual Meeting of the Association for Computational Linguistics and the 11th International Joint Conference on Natural Language Processing	Bangkok, Thailand					*
<b>*SEM 2021</b> 10th Joint Conference on Lexical and Computational Semantics	Bangkok, Thailand					*
<b>SemEval-2021</b> 15th International Workshop on Semantic Evaluation	Bangkok, Thailand		*		*	*
<b>TUG 2021</b> 42nd Annual Conference of the T <sub>E</sub> X Users Group	online	*				
<b>RESAW 2021</b> 4th Research Infrastructure for the Study of Archived Web Materials Conference	Luxembourg, Luxembourg	*				
<b>NAACL-HLT 2021</b> 18th Meeting of the North American Chapter of the Association for Computational Linguistics	Mexico City, Mexico					*

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EVENT	LOCATION	P	A	S	C	R
<b>CALT 2021</b> 4th Computer-Assisted Literary Translation Conference	Swansea, UK	*	*	*		
<b>EACL 2021</b> 16th Conference of the European Chapter of the Association for Computational Linguistics	Kiev, Ukraine					*
<b>Words/Machines-2021</b> Words/Machines-2021: Do Machines Have a Sense of Humor?	Brest, France	*		*		
<b>HRC 2021</b> 11th Humor Research Conference	Austin, USA	*				
<b>IFK_LIVE</b> Universalsprachen, Kunstsprachen, Plansprachen: Träume und Utopien von einer Welt ohne Übersetzung	Vienna, Austria	*				
<b>EMNLP 2020</b> 2020 Conference on Empirical Methods in Natural Language Processing	Punta Cana, Dominican Republic					*
<b>AIST 2020</b> 9th International Conference on the Analysis of Images, Social Networks, and Texts	online					*
<b>oSLO 2020</b> 2020 openSUSE + LibreOffice Virtual Conference	online	*				
<b>AINL 2020</b> 9th Conference on Artificial Intelligence and Natural Language	Helsinki, Finland					*
<b>*SEM 2020</b> 9th Joint Conference on Lexical and Computational Semantics	Barcelona, Spain					*
<b>COLING 2020</b> 28th International Conference on Computational Linguistics	Barcelona, Spain					*
<b>SemEval-2020</b> 14th International Workshop on Semantic Evaluation	Barcelona, Spain					*
<b>TUG 2020</b> 41st Annual Conference of the TeX Users Group	online	*				
<b>IJCAI-PRICAI 2020</b> 29th International Joint Conference on Artificial Intelligence and the 17th Pacific Rim International Conference on Artificial Intelligence	Yokohoma, Japan					*
<b>ACL 2020</b> 58th Annual Meeting of the Association for Computational Linguistics	Seattle, USA					*

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EVENT	LOCATION	P	A	S	C	R
<b>NLP<sub>4</sub>RE'20</b> 3rd Workshop on Natural Language Processing for Requirements Engineering	online	*		*		
<b>AAAI 2020</b> 34th AAAI Conference on Artificial Intelligence	New York, USA					*
<b>EMNLP-IJCNLP 2019</b> 2019 Conference on Empirical Methods in Natural Language Processing and 9th International Joint Conference on Natural Language Processing	Hong Kong					*
<b>AINL 2019</b> 8th Conference on Artificial Intelligence and Natural Language	Tartu, Estonia					*
<b>HiT-IT 2019</b> 2nd Workshop on Human-informed Translation and Interpretation Technology	Varna, Bulgaria	*	*	*		
<b>RANLP 2019</b> 12th International Conference on Recent Advances in Natural Language Processing	Varna, Bulgaria	*				
<b>IberLEF 2019</b> Iberian Languages Evaluation Forum	Bilbao, Spain		*			
<b>Plotting Poetry (and Poetics) 3</b>	Nancy, France		*			
<b>ACL 2019</b> 57th Annual Meeting of the Association for Computational Linguistics	Florence, Italy					*
<b>AIST 2019</b> 8th Conference on the Analysis of Images, Social Networks, and Texts	Kazan, Russia					*
<b>Euro-Par 2019</b> 25th International European Conference on Parallel and Distributed Computing	Göttingen, Germany					*
<b>*SEM 2019</b> 8th Joint Conference on Lexical and Computational Semantics	Minneapolis, USA					*
<b>SemEval-2019</b> 13th International Workshop on Semantic Evaluation	Minneapolis, USA					*
<b>NAACL-HLT 2019</b> 17th Meeting of the North American Chapter of the Association for Computational Linguistics	Minneapolis, USA		*		*	
<b>ISHS 2019</b> 31st International Society for Humor Studies Conference	Austin, USA	*	*	*	*	

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EVENT	LOCATION	P	A	S	C	R
<b>EMNLP 2018</b> 2018 Conference on Empirical Methods in Natural Language Processing	Brussels, Belgium		*			*
<b>AINL 2018</b> 7th Conference on Artificial Intelligence and Natural Language	St. Petersburg, Russia					*
<b>AIST 2018</b> 7th Conference on the Analysis of Images, Social Networks, and Texts	Moscow, Russia					*
<b>COLING 2018</b> 27th International Conference on Computational Linguistics	Santa Fe, USA					*
<b>ACL 2018</b> 56th Annual Meeting of the Association for Computational Linguistics	Melbourne, Australia				*	*
<b>WWW 2018</b> The 27th World Wide Web Conference	Lyon, France					*
<b>ConTIn-6</b> 6th Conference on Text Interpretation	Tyumen, Russia	*		*		
<b>NAACL 2018</b> 16th Meeting of the North American Chapter of the Association for Computational Linguistics	New Orleans, USA		*			
<b>ISHS 2018</b> 30th International Society for Humor Studies Conference	Tallinn, Estonia	*			*	
<b>SemEval-2018</b> 12th International Workshop on Semantic Evaluation	New Orleans, USA					*
<b>ArgMining 2017</b> 4th Workshop on Argument Mining at EMNLP 2017	Copenhagen, Denmark					*
<b>EMNLP 2017</b> 2017 Conference on Empirical Methods in Natural Language Processing	Copenhagen, Denmark					*
<b>*SEM 2017</b> 6th Joint Conference on Lexical and Computational Semantics	Vancouver, Canada					*
<b>ACL 2017</b> 55th Annual Meeting of the Association for Computational Linguistics	Vancouver, Canada	*				*
<b>SemEval-2017</b> 11th International Workshop on Semantic Evaluation	Vancouver, Canada	*	*	*	*	*

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EVENT	LOCATION	P	A	S	C	R
<b>ISHS 2017</b> 29th International Society for Humor Studies Conference	Montreal, Canada		*			
<b>AIST 2017</b> 6th Conference on the Analysis of Images, Social Networks, and Texts	Moscow, Russia					*
<b>EACL 2017</b> 15th Conference of the European Chapter of the Association for Computational Linguistics	Valencia, Spain		*			*
<b>COLING 2016</b> 26th International Conference on Computational Linguistics	Osaka, Japan		*			*
<b>ACL 2016</b> 54th Annual Meeting of the Association for Computational Linguistics	Berlin, Germany					*
<b>*SEM 2016</b> 5th Joint Conference on Lexical and Computational Semantics	Berlin, Germany					*
<b>ISSSHL 2016</b> 16th International Summer School and Symposium on Humour and Laughter	Braşov, Romania	*		*		
<b>LREC 2016</b> 10th International Conference on Language Resources and Evaluation	Portorož, Slovenia	*	*	*		
<b>GermEval 2015: LexSub</b> 1st Workshop on German Lexical Substitution	Essen, Germany	*	*	*	*	*
<b>ACL-IJCNLP 2015</b> 53rd Annual Meeting of the Association for Computational Linguistics and the 7th International Joint Conference on Natural Language Processing	Beijing, China	*	*	*		*
<b>HIHC 2014</b> International Humour Symposium of the 4th Hungarian Interdisciplinary Humour Conference	Komárno, Slovakia	*		*		
<b>KONVENS 2014</b> 12. Konferenz zur Verarbeitung natürlicher Sprache	Hildesheim, Germany	*	*	*		
<b>ISHS 2014</b> 26th International Society for Humor Studies Conference	Utrecht, Netherlands	*	*	*		
<b>LREC 2014</b> 9th International Conference on Language Resources and Evaluation	Reykjavík, Iceland	*	*	*		

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EVENT	LOCATION	P	A	S	C	R
<b>GSCL 2013</b> 25th International Conference of the German Society for Computational Linguistics and Language Technology	Darmstadt, Germany	*		*		*
<b>ACL 2013</b> 51th Annual Meeting of the Association for Computational Linguistics	Sofia, Bulgaria	*	*	*		
<b>COLING 2012</b> 24th International Conference on Computational Linguistics	Mumbai, India	*	*	*		
<b>RANLP 2009</b> 7th International Conference on Recent Advances in Natural Language Processing	Borovets, Bulgaria	*	*	*		
<b>ICPR 2006</b> 18th International Conference on Pattern Recognition	Hong Kong		*			
<b>FinTAL 2006</b> 5th International Conference on Natural Language Processing	Turku, Finland		*			
<b>DAS 2006</b> 7th IAPR Workshop on Document Analysis Systems	Nelson, New Zealand					*
<b>STI Jahrestreffen 2005</b> 2005 Jahrestreffen der Software Technologie Initiative Kaiserslautern	Kaiserslautern, Germany	*				
<b>K-CAP 2005</b> 3rd International Conference on Knowledge Capture	Banff, Canada	*	*	*		
<b>ICDAR 2005</b> 8th International Conference on Document Analysis and Recognition	Seoul, South Korea					*
<b>Wikimania 2005</b> 1st International Wikimedia Conference	Frankfurt, Germany	*				
<b>ICAPR 2005</b> 3rd International Conference on Advances in Pattern Recognition	Bath, UK					*
<b>PracT<sub>E</sub>X 2005</b> Practical T <sub>E</sub> X 2005	Chapel Hill, USA	*	*	*		
<b>SPC 2005</b> 2nd International Conference on Security in Pervasive Computing	Boppard, Germany		*			
<b>SAC 2005</b> 20th Annual ACM Symposium on Applied Computing	Santa Fe, New Mexico					*

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EVENT	LOCATION	P	A	S	C	R
<b>DAS 2004</b> 6th IAPR Workshop on Document Analysis Systems	Florence, Italy					*
<b>ICPR 2004</b> 17th International Conference on Pattern Recognition	Cambridge, UK					*
<b>DIAL 2004</b> 1st International Workshop on Document Image Analysis for Libraries	Palo Alto, USA					*
<b>RANLP 2003</b> 4th International Conference on Recent Advances in Natural Language Processing	Borovets, Bulgaria	*	*	*		
<b>LinuxTag 2003</b>	Karlsruhe, Germany	*				
<b>COMPLEX 2003</b> 7th Conference on Computational Lexicography and Text Research	Budapest, Hungary	*				
<b>EACL 2003</b> 10th Conference of the European Chapter of the Association for Computational Linguistics	Budapest, Hungary	*				
<b>ACL 2002</b> 40th Annual Meeting of the Association for Computational Linguistics	Philadelphia, USA	*				
<b>NAACL 2001</b> 2nd Meeting of the North American Chapter of the Association for Computational Linguistics	Pittsburgh, USA	*				
<b>ICTAI 2000</b> 12th IEEE International Conference on Tools with Artificial Intelligence	Vancouver, Canada		*			