

Daniel Hershcovich
Assistant professor, tenure track
Natural Language Processing
Postal address:
Universitetsparken 1, 2100 København Ø
Email: dh@di.ku.dk
Mobile: +45 53 33 88 04
Web: <http://danielhers.github.io/>



Employment

Tenure Track Assistant Professor

Natural Language Processing

København Ø

1 Mar 2019 → nu

Qualifications

Computational Neuroscience, Ph.D., Hebrew University of Jerusalem
Award Date: 10 Oct 2019

Mathematics and Computer Science, B.Sc., Open University of Israel
Award Date: 29 Nov 2010

Research outputs

Unhappy Texts? A Gendered and Computational Rereading of The Modern Breakthrough

Nielsen Degn, K., Bjerring-Hansen, Jens, Al-Laith, Ali Mohammed Ali & Hershcovich, Daniel, 2025, (Accepted/In press)
In: *Scandinavian Studies*. 97, 2

Bridging Cultural Nuances in Dialogue Agents through Cultural Value Surveys

Cao, Y., Chen, M. & Hershcovich, Daniel, 2024, *Findings of the Association for Computational Linguistics: EACL 2024*.
Association for Computational Linguistics (ACL), p. 929–945

Cultural Adaptation of Recipes

Cao, Y., Kementchedjhieva, Yova Radoslavova, Cui, Ruixiang, Karamolegkou, Antonia, Zhou, L., Dare, M., Donatelli, L. & Hershcovich, Daniel, 2024, In: *Transactions of the Association for Computational Linguistics*. 12, p. 80-99

Development and Evaluation of Pre-trained Language Models for Historical Danish and Norwegian Literary Texts

Al-Laith, Ali Mohammed Ali, Conroy, Alexander, Bjerring-Hansen, Jens & Hershcovich, Daniel, 2024, *Proceedings of the 2024 Joint International Conference on Computational Linguistics, Language Resources and Evaluation (LREC-COLING 2024)*. Calzolari, N., Kan, M-Y., Hoste, V., Lenci, A., Sakti, S. & Xue, N. (eds.). European Language Resources Association (ELRA), p. 4811-4819

Geo-Encoder: A Chunk-Argument Bi-Encoder Framework for Chinese Geographic Re-Ranking

Cao, Y., Ding, R., Chen, B., Li, X., Chen, M., Hershcovich, Daniel, Xie, P. & Huang, F., 2024, *Proceedings of the 18th Conference of the European Chapter of the Association for Computational Linguistics (Volume 1: Long Papers)*.
Association for Computational Linguistics (ACL), p. 1516–1530

Sentiment Classification of Historical Danish and Norwegian Literary Texts

Al-Laith, Ali Mohammed Ali, Nielsen Degn, K., Conroy, Alexander, Pedersen, Bolette Sandford, Bjerring-Hansen, Jens & Hershcovich, Daniel, May 2023, *Proceedings of the 24th Nordic Conference on Computational Linguistics (NoDaLiDa)*.
Association for Computational Linguistics (ACL), p. 324–334

A Two-Sided Discussion of Preregistration of NLP Research

Søgaard, Anders, Hershcovich, Daniel & de Lhoneux, M., 2023, *EACL 2023 - 17th Conference of the European Chapter of the Association for Computational Linguistics, Proceedings of the Conference*. Association for Computational Linguistics (ACL), p. 83-93

Assessing Cross-Cultural Alignment between ChatGPT and Human Societies: An Empirical Study

Cao, Y., Zhou, L., Lee, S., Cabello Piqueras, Laura, Chen, M. & Hershcovich, Daniel, 2023, *Proceedings of the First Workshop on Cross-Cultural Considerations in NLP (C3NLP)*. Association for Computational Linguistics (ACL), p. 53-67

Cross-Cultural Transfer Learning for Chinese Offensive Language Detection

Zhou, L., Cabello Piqueras, Laura, Cao, Y. & Hershcovich, Daniel, 2023, *EACL 2023 - Cross-Cultural Considerations in NLP @ EACL, Proceedings of the Workshop*. Association for Computational Linguistics (ACL), p. 8-15

Cultural Compass: Predicting Transfer Learning Success in Offensive Language Detection with Cultural Features

Zhou, L., Karamolegkou, Antonia, Chen, W. & Hershcovich, Daniel, 2023, *Findings of the Association for Computational Linguistics: EMNLP 2023*. Association for Computational Linguistics (ACL), p. 12684–12702

On Evaluating Multilingual Compositional Generalization with Translated Datasets

Wang, Zi & Hershcovich, Daniel, 2023, *Proceedings of the 61st Annual Meeting of the Association for Computational Linguistics (Volume 1: Long Papers)*. Association for Computational Linguistics (ACL), p. 1669-1687

Pay More Attention to Relation Exploration for Knowledge Base Question Answering

Cao, Y., Li, X., Liu, H., Dai, W., Chen, S., Wang, B., Chen, M. & Hershcovich, Daniel, 2023, *Findings of the Association for Computational Linguistics, ACL 2023*. Association for Computational Linguistics (ACL), p. 2119-2136

Probing for Hyperbole in Pre-Trained Language Models

Schneidermann, Nina Skovgaard, Hershcovich, Daniel & Pedersen, Bolette Sandford, 2023, *Proceedings of the 61st Annual Meeting of the Association for Computational Linguistics (Volume 4: Student Research Workshop)*. Association for Computational Linguistics, p. 200–211 12 p.

What does the Failure to Reason with “Respectively” in Zero/Few-Shot Settings Tell Us about Language Models?

Cui, Ruixiang, Lee, S., Hershcovich, Daniel & Søgaard, Anders, 2023, *Proceedings of the 61st Annual Meeting of the Association for Computational Linguistics: Long Papers*. Association for Computational Linguistics (ACL), Vol. 1. p. 8786-8800

A Dataset of Sustainable Diet Arguments on Twitter

Hansen, M. A. & Hershcovich, Daniel, 2022, *Proceedings of the Second Workshop on NLP for Positive Impact (NLP4PI)*. Association for Computational Linguistics, p. 40–58

Can AMR Assist Legal and Logical Reasoning?

Schrack, Nikolaus Alexander, Cui, Ruixiang, López, H. A. & Hershcovich, Daniel, 2022, *Findings of the Association for Computational Linguistics: EMNLP 2022*. Association for Computational Linguistics, p. 1555-1568

Challenges and Strategies in Cross-Cultural NLP

Hershcovich, Daniel, Frank, Stella Christina, Lent, H., de Lhoneux, M., Abdou, M., Brandl, Stephanie, Bugliarello, Emanuele, Cabello Piqueras, Laura, Chalkidis, Ilias, Cui, Ruixiang, Fierro Mella, Constanza Catalina, Margatina, K., Rust, Phillip & Søgaard, Anders, 2022, *ACL 2022 - 60th Annual Meeting of the Association for Computational Linguistics, Proceedings of the Conference (Long Papers)*. Muresan, S., Nakov, P. & Villavicencio, A. (eds.). Association for Computational Linguistics (ACL), Vol. 1. p. 6997-7013

Compositional Generalization in Multilingual Semantic Parsing over Wikidata

Cui, Ruixiang, Aralikatte, R., Lent, H. & Hershcovich, Daniel, 2022, In: *Transactions of the Association for Computational Linguistics*. 10, p. 937-955

Evaluating Deep Taylor Decomposition for Reliability Assessment in the Wild

Brandl, Stephanie, Hershcovich, Daniel & Søgaard, Anders, 2022, In: *Proceedings of the International AAAI Conference on Web and Social Media*. 16, p. 1368-1372

Generalized Quantifiers as a Source of Error in Multilingual NLU Benchmarks

Cui, Ruixiang, Hershovich, Daniel & Søgaard, Anders, 2022, *NAACL 2022 - 2022 Conference of the North American Chapter of the Association for Computational Linguistics: Human Language Technologies, Proceedings of the Conference*. Association for Computational Linguistics (ACL), p. 4875-4893

Scaling Creative Inspiration with Fine-Grained Functional Aspects of Ideas

Hope, T., Tamari, R., Hershovich, Daniel, Kang, H. B., Chan, J., Kittur, A. & Shahaf, D., 2022, *CHI 2022 - Proceedings of the 2022 CHI Conference on Human Factors in Computing Systems*. Association for Computing Machinery, Inc., p. 1-15
12

Towards Climate Awareness in NLP Research

Hershovich, Daniel, Webersinke, N., Kraus, M., Bingler, J. A. & Leippold, M., 2022, *Proceedings of the 2022 Conference on Empirical Methods in Natural Language Processing*. Association for Computational Linguistics, p. 2480-2494

A Multilingual Benchmark for Probing Negation-Awareness with Minimal Pairs

Hartmann, M., de Lhoneux, M., Hershovich, Daniel, Kementchedjhieva, Yova Radoslavova, Nielsen, Lukas Christian, Qiu, C. & Søgaard, Anders, 2021, *Proceedings of the 2021 Conference on Empirical Methods in Natural Language Processing*. Association for Computational Linguistics, p. 244-257

An autonomous debating system

IBM Research AI, I. R. A., 2021, In: *Nature*. 591, 7850, p. 379-384 6 p.

Can Language Models Encode Perceptual Structure Without Grounding? A Case Study in Color

Abdou, M., Kulmizev, A., Hershovich, Daniel, Frank, S., Pavlick, E. & Søgaard, Anders, 2021, *Proceedings of the 2021 Conference on Empirical Methods in Natural Language Processing*. Association for Computational Linguistics, p. 109-132

Great Service! Fine-grained Parsing of Implicit Arguments

Cui, Ruixiang & Hershovich, Daniel, 2021, *Proceedings of the 17th International Conference on Parsing Technologies and the IWPT 2021 Shared Task on Parsing into Enhanced Universal Dependencies (IWPT 2021)*. Association for Computational Linguistics, p. 65-77

How far can we get with one GPU in 100 hours? CoAStAL at MultIndicMT Shared Task

Aralikatte, R., Murrieta Bello, H. R., Hershovich, Daniel, Bollmann, M. & Søgaard, Anders, 2021, *Proceedings of the 8th Workshop on Asian Translation (WAT2021)*. Association for Computational Linguistics, p. 205-211

It's the Meaning That Counts: The State of the Art in NLP and Semantics

Hershovich, Daniel & Donatelli, L., 2021, In: *KI - Kunstliche Intelligenz*. 35, 3-4, p. 255-270 16 p.

Joint Semantic Analysis with Document-Level Cross-Task Coherence Rewards

Aralikatte, R. R., Abdou, M. H. M. A., Lent, H. C., Hershovich, Daniel & Søgaard, Anders, 2021, *Proceedings of the AAAI-21 International Joint Conference on Artificial Intelligence*. AAAI Press, 10 p. (Proceedings of the International Joint Conference on Artificial Intelligence; No. 14, Vol. 35).

Lexical Semantic Recognition

Liu, N. F., Hershovich, Daniel, Kranzlein, M. & Schneider, N., 2021, *Proceedings of the 17th Workshop on Multiword Expressions (MWE 2021)*. Association for Computational Linguistics, p. 49-56

Moses and the Character-Based Random Babbling Baseline: CoAStAL at AmericasNLP 2021 Shared Task

Bollmann, M., Aralikatte, R., Bello, H. R. M., Hershovich, Daniel, de Lhoneux, M. & Søgaard, Anders, 2021, *Proceedings of the 1st Workshop on Natural Language Processing for Indigenous Languages of the Americas, AmericasNLP 2021*. Mager, M., Oncevay, A., Rios, A., Ruiz, I. V. M., Palmer, A., Neubig, G. & Kann, K. (eds.). Association for Computational Linguistics, p. 248-254

Special Issue on NLP & Semantics

Hershovich, Daniel & Donatelli, L., 2021, In: *KI - Kunstliche Intelligenz*. 35, 3-4, p. 251-253 3 p.

Comparison by Conversion: Reverse-Engineering UCCA from Syntax and Lexical Semantics

Hershcovich, Daniel, Schneider, N., Dvir, D., Prange, J., de Lhoneux, M. A. N. & Abend, O., 2020, *Proceedings of the 28th International Conference on Computational Linguistic*. Association for Computational Linguistics, p. 2947–2966

Cross-lingual Semantic Representation for NLP with UCCA

Abend, O., Dvir, D., Hershcovich, Daniel, Prange, J. & Schneider, N., 2020, *Proceedings of the 28th International Conference on Computational Linguistic: Tutorial Abstracts*. Association for Computational Linguistics, p. 1-9

HUJI-KU at MRP 2020: Two Transition-based Neural Parsers

Arviv, O., Cui, Ruixiang & Hershcovich, Daniel, 2020, *Proceedings of the CoNLL 2020 Shared Task: Cross-Framework Meaning Representation Parsing*. Association for Computational Linguistics, p. 73-82

Køpsala: Transition-Based Graph Parsing via Efficient Training and Effective Encoding

Hershcovich, Daniel, De Lhoneux, M., Kulmizev, A., Pejhan, E. & Nivre, J., 2020, *Proceedings of the 16th International Conference on Parsing Technologies and the IWPT 2020 Shared Task on Parsing into Enhanced Universal Dependencies*. Association for Computational Linguistics, p. 236-244

MRP 2019: Cross-Framework Meaning Representation Parsing

Oepen, S., Abend, O., Hajic, J., Hershcovich, Daniel, Kuhlmann, M., O’gorman, T., Xue, N., Chun, J., Straka, M. & Uresova, Z., 2020, *Proceedings of the Shared Task on Cross-Framework Meaning Representation Parsing at the 2019 Conference on Natural Language Learning*. Association for Computational Linguistics, p. 1-27

MRP 2020: The Second Shared Task on Cross-Framework and Cross-Lingual Meaning Representation Parsing

Oepen, S., Abend, O., Abzianidze, L., Bos, J., Hajic, J., Hershcovich, Daniel, Li, B., O’gorman, T., Xue, N. & Zeman, D., 2020, *Proceedings of the CoNLL 2020 Shared Task: Cross-Framework Meaning Representation Parsing*. Association for Computational Linguistics, p. 1-22

Refining Implicit Argument Annotation for UCCA

Cui, Ruixiang & Hershcovich, Daniel, 2020, *Proceedings of the Second International Workshop on Designing Meaning Representations*. Association for Computational Linguistics, p. 41-52

TUPA at MRP 2019: A Multi-Task Baseline System

Hershcovich, Daniel & Arviv, O., 2020, *Proceedings of the Shared Task on Cross-Framework Meaning Representation Parsing at the 2019 CoNLL*. Association for Computational Linguistics, p. 28-39

Argument Invention from First Principles

Bitu, Y., Gera, A., Hershcovich, Daniel, Sznajder, B., Lahav, D., Moshkovich, G., Malet, A., Gavron, A. & Slonim, N., 2019, *Proceedings of the 57th Annual Meeting of the Association for Computational Linguistics*. Association for Computational Linguistics, p. 1013–1026

Rewarding Coreference Resolvers for Being Consistent with World Knowledge

Aralikatte, R., Lent, H., Gonzalez, Ana Valeria, Hershcovich, Daniel, Qiu, C., Sandholm, A., Ringgaard, M. & Søgaard, Anders, 2019, *Proceedings of the 2019 Conference on Empirical Methods in Natural Language Processing and the 9th International Joint Conference on Natural Language Processing (EMNLP-IJCNLP)*. Association for Computational Linguistics, p. 1229-1235

SemEval-2019 Task 1: Cross-lingual Semantic Parsing with UCCA

Hershcovich, Daniel, Aizenbud, Z., Choshen, L., Sulem, E., Rappoport, A. & Abend, O., 2019, *Proceedings of the 13th International Workshop on Semantic Evaluation (SemEval-2019)*. Association for Computational Linguistics, p. 1-10

Syntactic Interchangeability in Word Embedding Models

Hershcovich, Daniel, Toledo, A., Halfon, A. & Slonim, N., 2019, *Proceedings of the 3rd Workshop on Evaluating Vector Space Representations for NLP*. Association for Computational Linguistics, p. 70-76

Syntactic Interchangeability in Word Embedding Models

Hershcovich, Daniel, Toledo, A., Halfon, A. & Slonim, N., 2019, *Proceedings of the 3rd Workshop on Evaluating Vector Space Representations for NLP*. Association for Computational Linguistics, p. 70–76

The Language of Legal and Illegal Activity on the Darknet

Choshen, L., Eldad, D., Hershcovich, Daniel, Sulem, E. & Abend, O., 2019, *Proceedings of the 57th Annual Meeting of the Association for Computational Linguistics*. Association for Computational Linguistics, p. 4271-4279

Universal semantic parsing with neural networks Hershcovich

Hershcovich, Daniel, 2019, 136 p.