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## Pätevyydet

Computational Linguistics, PhD, Recycling Translations - Extraction of Lexical Data from Parallel Corpora and their Application in Natural Language Processing, Uppsala University

2000 → 2003

Myöntöpäivä: 12 jouluk. 2003

Computer Science, M.Sc., Automatical Lexicon Extraction from Aligned Bilingual Corpora, Otto Von Guericke University, Magdeburg  
1991 → 1997  
Myöntöpäivä: 11 syysk. 1997

### Vastuullinen tutkija

Ajanjakso : 27.01.2016 - 31.12.2017 organisaatiossa

### Vastuullinen tutkija

Ajanjakso : 17.02.2018 - 31.12.2025 organisaatiossa Digitaalisten ihmistieteiden osasto

## Työsuhheet

### professori

Digitaalisten ihmistieteiden osasto  
Helsingin yliopisto  
Suomi  
1 tammik. 2018 → present

### Kieliteknologia

Helsingin yliopisto  
University of Helsinki, Suomi  
1 elok. 2015 → present

### Ohjaaja tohtoriohjelmassa

Kielentutkimuksen tohtoriohjelma  
Helsingin yliopisto  
Suomi  
1 tammik. 2014 → present

## Projektit

### 1. GreenNLP: GreenNLP - Att kontrollera koldioxidavtrycket inom hållbar språkteknologi

Tiedemann, J., Attieh, J. & Nieminen, T. J.  
Suomen Akatemia Projektilaskutus  
01/01/2023 → 31/12/2025

### 2. High Performance Language Technologies

Tiedemann, J., Aulamo, M., De Gibert Bonet, O., Grönroos, S., Ji, S. & Virpioja, S. P.  
Charles University in Prague Faculty of Science Department of Teaching and Didactics of Biology  
01/09/2022 → 31/08/2025

3. **Uncertainty-aware neural language models**  
Tiedemann, J., Celikkanat, H., Virpioja, S. P. & Vazquez , R.  
Academy of Finland, Suomen Akatemia Projektilaskutus  
01/01/2022 → 01/10/2025
4. **CorCoDial: CorCoDial - Tekstikorpuksiin perustuva laskennallinen murretutkimus: konekäännösteknikoiden hyödyntäminen murrealueiden ja murrepiirteiden löytämisessä, visualisoinnissa ja tulkitsemisessa**  
Scherrer, Y., Tiedemann, J., Kuparinen, O. V., Miletic Haddad, A., Siewert, J. & Siewert, J.  
Suomen Akatemia Projektilaskutus  
01/09/2021 → 31/08/2025
5. **Behind the words: Deep neural models of language meaning for industry-grade applications**  
Tiedemann, J., Creutz, M., Creutz, M., Itkonen, S., Sjöblom, E. I., Vahtola, T., Itkonen, S. & Vahtola, T.  
Academy of Finland, Suomen Akatemia Projektilaskutus  
01/01/2021 → 31/12/2023
6. **OPUS-MT: Open Translation Models, Tools and Services**  
Aulamo, M., Nieminen, T. J., Hardwick, S. & Tiedemann, J.  
01/08/2020 → 31/08/2021
7. **EOSC-nordic: The European Open Science Cloud - Nordic**  
Tiedemann, J., Drobac, S. & Raganato, A.  
European Commission, European Commission – Joint Research Centre  
01/09/2019 → 31/08/2022
8. **FoTran: Found in Translation - Natural Language Understanding with Cross-Lingual Grounding**  
Tiedemann, J., Attieh, J., Aulamo, M., Boggia, M., Celikkanat, H., De Gibert Bonet, O., Grönroos, S., Mickus, T., Raganato, A., Scherrer, Y., Silfverberg, M., Sjöblom, E. I., Talman, A., Vazquez , R., Virpioja, S. P., Yli-Jyrä, A., Zosa, E., Celikkanat, H., Raganato, A., Silfverberg, M., Sulubacak, U. & Vazquez , R.  
01/09/2018 → 31/03/2024
9. **fiskmö: Creation of a parallel corpus of translated documents and machine translation for Finnish and Swedish**  
Tiedemann, J., Ginter, F., Papula, N., Aulamo, M., Nieminen, T., Kanerva, J. & Eskola, K.  
Svenska kulturfonden  
01/05/2018 → 31/03/2021
10. **MeMAD: Methods for Managing Audiovisual Data: Combining Automatic Efficiency with Human Accuracy**  
Hirvonen, M., Tiedemann, J., Tiittula, L., Sulubacak, U., Vazquez , R. & Koponen, M.  
European Commission / Horizon 2020  
01/01/2018 → 31/03/2021
11. **NLUxLG: NLU with Cross-Lingual Grounding**  
Tiedemann, J., Talman, A., Raganato, A. & Celikkanat, H.  
SUOMEN AKATEMIA  
01/01/2018 → 31/12/2019
12. **Kielten kandiohjelman opettajien digiloikka**  
Lennes, M., Flanagan, J., Hiltunen, T., Creutz, M., Aunio, L., Buchart, M., Gruzdeva, E., Jakubek, I., Keinänen, N., Kim, J., Kittilä, S., Kopotev, M., Kraenker, S., Länsisalmi, R., Nieuweboer, R., Peterson, E., Tiedemann, J., Tuori, R., Autere, M. J. & Lindstedt, J.  
01/05/2017 → 31/12/2018
13. **NLPL: Nordic Language Processing Laboratory**  
Tiedemann, J. & Scherrer, Y.  
01/01/2017 → 31/12/2019
14. **CrossNLP: Cross-Linguistic and Multilingual Natural Language Processing with the Focus on Low-Resource Languages and Language Variants**  
Tiedemann, J., Östling, R. & Scherrer, Y.  
01/01/2016 → 31/12/2018
15. **Erillisrahoitus Helsingin ja Tukholman yliopistojen yhteishanke**  
Lehti-Eklund, H., Lindström, J., Miestamo, M., Grünthal, R., Palander-Collin, M., Kalliokoski, J., Östman, J., Ajanki, R., Holopainen, S., Balode, L., Lenk, H. E. H., Kurhila, S., Kotilainen, L., Lindholm, C., Wahlström, M., Solin, A., Fremer, M., Tiittula, L., Hamari, A., Kittilä, S., Huhtamäki, M., Kim, J., Kopotev, M., Peterson, E., Protassova, E., Savijärvi, M. & Tiedemann, J.  
Unknown funder  
01/01/2015 → 31/12/2017
16. **eSENCE: Efficient Algorithms for Natural Language Processing Beyond Sentence Boundaries**  
Nivre, J., Tiedemann, J. & Stymne, S.  
01/09/2012 → 31/08/2014
17. **DiscoMT: Discourse-Oriented Statistical Machine Translation**  
Tiedemann, J., Hardmeier, C., Loáiciga, S. & Scherrer, Y.  
01/01/2012 → 31/12/2017

18. **LetsMTI: LetsMTI! A Platform for Online Sharing of Training Data and Building User Tailored Machine Translation**  
Tiedemann, J., Weinitz, P., Saers, M., Zumpe, M. & Schleussner, S.  
01/03/2010 → 31/08/2012
19. **OPUS: The Open Parallel Corpus**  
Tiedemann, J.  
01/06/2004 → ...

## Tietoaineistot

1. **Document-level Machine Translation Benchmark**  
Scherrer, Y. (Luoja), Tiedemann, J. (Luoja) & Loaiciga, S. (Luoja), University of Helsinki, 1 marrask. 2019  
DOI - pysyväislinkki: 10.5281/zenodo.3525366  
Tietoaineisto
2. **LetsMT repository**  
Tiedemann, J. (Luoja), Zenodo, 22 tammik. 2018  
DOI - pysyväislinkki: 10.5281/zenodo.1157836  
Tietoaineisto
3. **Uplug**  
Tiedemann, J. (Luoja), Zenodo, 22 tammik. 2018  
DOI - pysyväislinkki: 10.5281/zenodo.1157180, <https://github.com/Helsinki-NLP/Uplug/tree/v0.3.9>  
Tietoaineisto
4. **Lingua-Align**  
Tiedemann, J. (Luoja), Zenodo, 22 tammik. 2018  
DOI - pysyväislinkki: 10.5281/zenodo.1157176, <https://github.com/Helsinki-NLP/Lingua-Align/tree/v0.1>  
Tietoaineisto
5. **OPUS**  
Tiedemann, J. (Luoja), University of Helsinki, 2017  
<http://opus.nlpl.eu>  
Tietoaineisto
6. **WMT17 test set Finnish-English**  
Tiedemann, J. (Luoja), Zenodo, 21 tammik. 2018  
DOI - pysyväislinkki: 10.5281/zenodo.1156326, <https://github.com/Helsinki-NLP/WMT16-test-enfi/tree/v1.0>  
Tietoaineisto
7. **WMT16 test set Finnish-English**  
Tiedemann, J. (Luoja), Zenodo, 21 tammik. 2018  
DOI - pysyväislinkki: 10.5281/zenodo.1156325, <https://github.com/Helsinki-NLP/WMT16-test-enfi/tree/v1.0>  
Tietoaineisto
8. **Shared Task in Cross-Lingual Parsing**  
Tiedemann, J. (Tietojen hallinnoija), Atlassian, 2017  
<https://bitbucket.org/hy-crossNLP/vardial2017>  
Tietoaineisto
9. **DiscoMT 2015 Shared Task on Pronoun Translation**  
Tiedemann, J. (Luoja), LINDAT/CLARIN, 31 tammik. 2016  
DOI - pysyväislinkki: <http://hdl.handle.net/11372/LRT-1611>, <http://hdl.handle.net/11372/LRT-1611>  
Tietoaineisto

## Julkaisut

1. Scherrer, Y., Jauhiainen, T., Ljubešić, N., Zampieri, M., Nakov, P., & Tiedemann, J. (Toimittajat) (2024). *Proceedings of the Eleventh Workshop on NLP for Similar Languages, Varieties, and Dialects (VarDial 2024)*. The Association for Computational Linguistics. <https://aclanthology.org/2024.vardial-1.0>
2. Mickus, T., Zosa, E., Vazquez, R., Vahtola, T., Tiedemann, J., Segonne, V., Raganato, A., & Apidianaki, M. (2024). SemEval-2024 Task 6: SHROOM, a Shared-task on Hallucinations and Related Observable Ovrgeneration Mistakes. teoksessa A. K. Ojha, A. S. Doğruöz, H. Tayyar Madabushi, G. Da San Martino, S. Rosenthal, & A. Rosá (Toimittajat), *Proceedings of the 18th International Workshop on Semantic Evaluation (SemEval-2024)* (Sivut 1979–1993). The Association for Computational Linguistics. <https://aclanthology.org/2024.semeval-1.273>
3. Dmitrieva, A., & Tiedemann, J. (2024). Towards Automatic Finnish Text Simplification. teoksessa G. M. Di Nunzio, F. Vezzani, L. Ermakova, H. Azarbonyad, & J. Kamps (Toimittajat), *Proceedings of the Workshop on DeTermit! Evaluating Text Difficulty in a Multilingual Context @ LREC-COLING 2024* (Sivut 39–50). (International conference on computational linguistics), (LREC proceedings). European Language Resources Association (ELRA). <https://aclanthology.org/2024.determinit-1.4/>

4. Mickus, T., Grönroos, S.-A., Attieh, J., Boggia, M., De Gibert, O., Ji, S., Loppi, N. A., Raganato, A., Vázquez, R., & Tiedemann, J. (2024). MAMMOTH: Massively Multilingual Modular Open Translation @ Helsinki. teoksessa N. Aletras, & O. De Clercq (Toimittajat), *Proceedings of the 18th Conference of the European Chapter of the Association for Computational Linguistics: System Demonstrations* (Sivut 127-136). The Association for Computational Linguistics. <https://aclanthology.org/2024.eacl-demo.14>
5. Vázquez, R., Mickus, T., Tiedemann, J., Vulić, I., & Üstün, A. (Toimittajat) (2024). *Proceedings of the 1st Workshop on Modular and Open Multilingual NLP (MOOMIN 2024)*. The Association for Computational Linguistics. <https://aclanthology.org/2024.moomin-1.0>
6. de Gibert, O., Nail, G., Arefyev, N., Bañón, M., van der Linde, J., Ji, S., Zaragoza-Bernabeu, J., Aulamo, M., Ramírez-Sánchez, G., Kutuzov, A., Pyysalo, S., Oepen, S., & Tiedemann, J. (2024). A New Massive Multilingual Dataset for High-Performance Language Technologies. teoksessa N. Calzolari, M.-Y. Kan, V. Hoste, A. Lenci, S. Sakti, & N. Xue (Toimittajat), *Proceedings of the 2024 Joint International Conference on Computational Linguistics, Language Resources and Evaluation (LREC-COLING 2024)* (Sivut 1116-1128). (International conference on computational linguistics ), (LREC proceedings ). European Language Resources Association (ELRA).
7. Ji, S., Mickus, T., Segonne, V., & Tiedemann, J. (2024). Can Machine Translation Bridge Multilingual Pretraining and Cross-lingual Transfer Learning? teoksessa N. Calzolari, M.-Y. Kan, V. Hoste, A. Lenci, S. Sakti, & N. Xue (Toimittajat), *Proceedings of the 2024 Joint International Conference on Computational Linguistics, Language Resources and Evaluation (LREC-COLING 2024)* (Sivut 2809-2818). (International conference on computational linguistics ), (LREC proceedings ). European Language Resources Association (ELRA).
8. Tiedemann, J., Aulamo, M., Bakshandaeva, D., Boggia, M., Grönroos, S. A., Nieminen, T., Raganato, A., Scherrer, Y., Vázquez, R., & Virpioja, S. (2023). Democratizing neural machine translation with OPUS-MT. *Language Resources and Evaluation*. <https://doi.org/10.1007/s10579-023-09704-w>
9. De Gibert Bonet, O., Vázquez, R., Aulamo, M., Scherrer, Y., Virpioja, S., & Tiedemann, J. (2023). Four Approaches to Low-Resource Multilingual NMT: The Helsinki Submission to the AmericasNLP 2023 Shared Task. teoksessa M. Mager, A. Ebrahimi, & A. Oncevay, et al. (Toimittajat), *Proceedings of the Workshop on Natural Language Processing for Indigenous Languages of the Americas (AmericasNLP)* (Sivut 177-191). The Association for Computational Linguistics. <https://doi.org/10.18653/v1/2023.americasnlp-1.20>
10. Vahtola, T., Creutz, M., & Tiedemann, J. (2023). Guiding Zero-Shot Paraphrase Generation with Fine-Grained Control Tokens. teoksessa A. Palmer, & J. Camacho-collados (Toimittajat), *Proceedings of the 12th Joint Conference on Lexical and Computational Semantics (\*SEM 2023)* (Sivut 323-337). The Association for Computational Linguistics. <https://doi.org/10.18653/v1/2023.starsem-1.29>
11. Aulamo, M., De Gibert Bonet, O., Virpioja, S., & Tiedemann, J. (2023). Unsupervised Feature Selection for Effective Parallel Corpus Filtering. teoksessa M. Nurminen, J. Brenner, & M. Koponen, et al. (Toimittajat), *Proceedings of the 24th Annual Conference of the European Association for Machine Translation* (Sivut 31-38). European Association for Machine Translation.
12. Scherrer, Y., Jauhainen, T., Ljubešić, N., Nakov, P., Tiedemann, J., & Zampieri, M. (Toimittajat) (2023). *Tenth Workshop on NLP for Similar Languages, Varieties and Dialects (VarDial 2023): Proceedings of the Workshop*. The Association for Computational Linguistics. <https://aclanthology.org/2023.vardial-1.0>
13. Boggia, M., Grönroos, S.-A., Loppi, N., Mickus, T., Raganato, A., Tiedemann, J., & Vazquez , R. (2023). Dozens of Translation Directions or Millions of Shared Parameters? Comparing Two Types of Multilinguality in Modular Machine Translation. teoksessa T. Alumäe , & M. Fishel (Toimittajat), *Proceedings of the 24th Nordic Conference on Computational Linguistics (NoDaLiDa)* (Sivut 238–247). (NEALT Proceedings Series Publisher name; Nro 52). University of Tartu Library.
14. Tuominen, T., Koponen, M., Vitikainen, K., Sulubacak, U., & Tiedemann, J. (2023). Exploring the gaps in linguistic accessibility of media: The potential of automated subtitling as a solution. *The Journal of Specialised Translation*, (39), 77-98.
15. Aulamo, M., Bogoychev, N., Ji, S., Nail, G., Ramirez-Sánchez, G., Tiedemann, J., Van Der Linde, J., & Zaragoza, J. (2023). HPLT: High Performance Language Technologies. teoksessa M. Nurminen, J. Brenner, & M. Koponen, et al. (Toimittajat), *Proceedings of the 24th Annual Conference of the European Association for Machine Translation* (Sivut 517-518). European Association for Machine Translation.
16. Tiedemann, J., & Gibert, O. D. (2023). The OPUS-MT dashboard - A toolkit for a systematic evaluation of open machine translation models. teoksessa D. Bollegala, R. Huang, & A. Ritter (Toimittajat), *Proceedings of the 61st Annual Meeting of the Association for Computational Linguistics: Volume 3: System Demonstrations* (Vuosikerta 3, Sivut 315-327). Association for Computational Linguistics (ACL).
17. Talman, A., Celikkannat, H., Virpioja, S., Heinonen, M., & Tiedemann, J. (2023). Uncertainty-Aware Natural Language Inference with Stochastic Weight Averaging. teoksessa T. Alumäe , & M. Fishel (Toimittajat), *Proceedings of the 24th Nordic Conference on Computational Linguistics* (Sivut 358-365). (NEALT Proceedings Series; Nro 52). University of Tartu Library.

18. Vahtola, T., Creutz, M., & Tiedemann, J. (2022). It Is Not Easy To Detect Paraphrases: Analysing Semantic Similarity With Antonyms and Negation Using the New SemAntoNeg Benchmark. teoksessa J. Bastings, Y. Belinkov, Y. Elazar, D. Hupkes, N. Saphra, & S. Wiegreffe (Toimittajat), *Proceedings of the Fifth BlackboxNLP Workshop on Analyzing and Interpreting Neural Networks for NLP* (Sivut 249–262). The Association for Computational Linguistics.
19. Tiedemann, J. (2022). From open parallel corpora to public translation tools: The success story of OPUS. teoksessa E. Volodina, D. Dannélls, A. Berdicevskis, M. Forsberg, & S. Virk (Toimittajat), *LIVE and LEARN : Festschrift in honor of Lars Borin* (Sivut 133–138). (Research Reports from the Department of Swedish, Multilingualism, Language Technology; Nro GU-ISS-2022-03). University of Göteborg.
20. Tiedemann, J., Aulamo, M., Hardwick, S., & Nieminen, T. (2022). Open Translation Models, Tools and Services. teoksessa G. Rehm (Toimittaja), *European Language Grid: A Language Technology Platform for Multilingual Europe* (Sivut 325–330). (Cognitive Technologies). Springer . [https://doi.org/10.1007/978-3-031-17258-8\\_24](https://doi.org/10.1007/978-3-031-17258-8_24)
21. Vazquez , R., Celikkanat, H., Ravishankar, V., Creutz, M., & Tiedemann, J. (2022). A Closer Look at Parameter Contributions When Training Neural Language and Translation Models. teoksessa N. Calzolari, C.-R. Huang, & H. Kim, et al. (Toimittajat), *Proceedings of the 29th International Conference on Computational Linguistics* (Sivut 4788–4800). (International conference on computational linguistics; Vuosikerta 29, Nro 1). International Committee on Computational Linguistics.
22. Scherrer, Y., Jauhainen, T., Ljubešić, N., Nakov, P., Tiedemann, J., & Zampieri, M. (Toimittajat) (2022). *Proceedings of the Ninth Workshop on NLP for Similar Languages, Varieties and Dialects: The 29th International Conference on Computational Linguistics*. (International conference on computational linguistics ; Vuosikerta 29, Nro 19). COLING . <https://aclanthology.org/2022.vardial-1.0>
23. Itkonen, S., Tiedemann, J., & Creutz, M. (2022). Helsinki-NLP at SemEval-2022 Task 2: A Feature-Based Approach to Multilingual Idiomaticity Detection. teoksessa G. Emerson, N. Schluter, G. Stanovsky, R. Kumar, A. Palmer, N. Schneider, S. Singh, & S. Ratan (Toimittajat), *Proceedings of the 16th International Workshop on Semantic Evaluation (SemEval-2022)* (Sivut 122–134). The Association for Computational Linguistics.
24. Vahtola, T., Sjöblom, E., Tiedemann, J., & Creutz, M. (2022). Modeling Noise in Paraphrase Detection. teoksessa N. Calzolari, F. Béchet, & P. Blache, et al. (Toimittajat), *Proceedings of the 13th Conference on Language Resources and Evaluation (LREC 2022)* (Sivut 4324–4332). European Language Resources Association (ELRA).
25. Tiedemann, J. (2022). Språk(teknologi) är nyckeln till intelligens och rättvisa. *Språkbruk*. <https://www.sprakbruk.fi-/spr%C3%A5k-teknologi-%C3%A4r-nyckeln-till-intelligens-och-r%C3%A4ttvisa>
26. Talman, A., Apidianaki, M., Chatzikyriakidis, S., & Tiedemann, J. (2022). How Does Data Corruption Affect Natural Language Understanding Models? A Study on GLUE datasets. teoksessa V. Nastase, E. Pavlick, M. Taher Pilehvar, J. Camacho-Collados, & A. Raganato (Toimittajat), *Proceedings of The 11th Joint Conference on Lexical and Computational Semantics* (Sivut 226–233). The Association for Computational Linguistics.
27. Vazquez , R., Boggia, M., Raganato, A., Loppi, N. A., Grönroos, S.-A., & Tiedemann, J. (2022). Latest Development in the FoTran Project – Scaling Up Language Coverage in Neural Machine Translation Using Distributed Training with Language-Specific Components. teoksessa H. Moniz, L. Macken, & A. Rufener, et al. (Toimittajat), *Proceedings of the 23rd Annual Conference of the European Association for Machine Translation* (Sivut 311–312). European Association for Machine Translation. <https://aclanthology.org/2022.eamt-1.45>
28. Alnajjar, K., Hämäläinen, M., Tiedemann, J., Laaksonen, J., & Kurimo, M. (2022). When to Laugh and How Hard? A Multimodal Approach to Detecting Humor and Its Intensity. teoksessa N. Calzolari, C.-R. Huang , & H. Kim, et al. (Toimittajat), *Proceedings of the 29th International Conference on Computational Linguistics* (Sivut 6875–6886). (International Conference on Computational Linguistics; Vuosikerta 29, Nro 1). International Committee on Computational Linguistics. <https://aclanthology.org/2022.coling-1.598>
29. Raganato, A., Vázquez, R., Creutz, M., & Tiedemann, J. (2021). An Empirical Investigation of Word Alignment Supervision for Zero-Shot Multilingual Neural Machine Translation. teoksessa M.-F. Moens, X. Huang, L. Specia, & S. Wen-tau Yih (Toimittajat), *Proceedings of the 2021 Conference on Empirical Methods in Natural Language Processing* (Sivut 8449–8456). The Association for Computational Linguistics. <https://aclanthology.org/2021.emnlp-main.664.pdf>
30. Nakov, P., & Tiedemann, J. (2021). Machine Translation between Similar Languages. teoksessa M. Zampieri, & P. Nakov (Toimittajat), *Similar Languages, Varieties, and Dialects: A Computational Perspective* (Sivut 219–253). (Studies in Natural Language Processing). Cambridge University Press. <https://doi.org/10.1017/9781108565080.015>
31. Vazquez , R., Celikkanat, H., Creutz, M., & Tiedemann, J. (2021). On the differences between BERT and MT encoder spaces and how to address them in translation tasks. teoksessa J. Kabbara, H. Lin, A. Paullada, & J. Vamvas (Toimittajat), *Proceedings of the 59th Annual Meeting of the Association for Computational Linguistics and the 11th International Joint Conference on Natural Language Processing: Student Research Workshop* (Sivut 337–347). The Association for Computational Linguistics. <https://doi.org/10.18653/v1/2021.acl-srw.35>
32. Vázquez, R., Scherrer, Y., Virpioja, S., & Tiedemann, J. (2021). The Helsinki submission to the AmericasNLP shared task. teoksessa M. Mager [et al.] (Toimittaja), *Proceedings of the First Workshop on Natural Language Processing for Indigenous Languages of the Americas* (Sivut 255–264). The Association for Computational Linguistics. <https://doi.org/10.18653/v1/2021.americasnlp-1.29>

33. Aulamo, M., Virpioja, S., Scherrer, Y., & Tiedemann, J. (2021). Boosting Neural Machine Translation from Finnish to Northern Sámi with Rule-Based Backtranslation. teoksessa S. Dobnik, & L. Øvrelid (Toimittajat), *Proceedings of the 23rd Nordic Conference on Computational Linguistics (NoDaLiDa)* (Sivut 351-356). (Linköping Electronic Conference Proceedings ; Nro 78), (NEALT Proceedings Series ; Nro 45). Linköping University Electronic Press. <https://www.aclweb.org/anthology/2021.nodalida-main.37.pdf>
34. Dmitrieva, A., & Tiedemann, J. (2021). Creating an Aligned Russian Text Simplification Dataset from Language Learner Data. teoksessa B. Babych [et al.] (Toimittaja), *Proceedings of the 8th Workshop on Balto-Slavic Natural Language Processing* (Sivut 73-79). ACL Anthology. <https://aclanthology.org/2021.bsnlp-1.8>
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