

Jörg Tiedemann  
Professor, Supervisor for doctoral programme  
Department of Digital Humanities  
Language Technology  
Mind and Matter  
Doctoral Programme in Language Studies  
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## Qualifications

Computational Linguistics, PhD, Uppsala University  
2000 → 2003  
Award Date: 12 Dec 2003

Computer Science, M.Sc., Otto Von Guericke University, Magdeburg  
1991 → 1997  
Award Date: 11 Sep 1997

### Principal Investigator

Period : 27.01.2016 - 31.12.2017 in Department of Modern Languages 2010-2017

### Principal Investigator

Period : 17.02.2018 - \* in Department of Digital Humanities

## Employment

### Professor

Department of Digital Humanities  
University of Helsinki  
Finland  
1 Jan 2018 → present

### Language Technology

University of Helsinki  
University of Helsinki, Finland  
1 Aug 2015 → present

### Mind and Matter

University of Helsinki  
1 Sep 2019 → present

### Supervisor for doctoral programme

Doctoral Programme in Language Studies  
University of Helsinki  
Finland  
1 Jan 2014 → present

## Projects

1. **OPUS-MT: Open Translation Models, Tools and Services**  
Aulamo, M., Nieminen, T. J., Hardwick, S. & Tiedemann, J.  
01/08/2020 → 31/08/2021

2. **EOSC-nordic: The European Open Science Cloud - Nordic**  
Tiedemann, J., Drobac, S. & Raganato, A.  
01/09/2019 → 31/08/2022
3. **FoTran: Found in Translation - Natural Language Understanding with Cross-Lingual Grounding**  
Tiedemann, J., Celikkanat, H., Raganato, A., Vazquez, R., Sulubacak, U. & Silfverberg, M.  
European Research Council (ERC)  
01/09/2018 → 31/08/2023
4. **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
5. **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
6. **NLUxLG: NLU with Cross-Lingual Grounding**  
Tiedemann, J., Talman, A., Raganato, A. & Celikkanat, H.  
SUOMEN AKATEMIA  
01/01/2018 → 31/12/2019
7. **Development of Digital Teaching project of the BA Programme in Languages**  
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., Viitamäki, M. & Lindstedt, J.  
01/05/2017 → 31/12/2018
8. **NLPL: Nordic Language Processing Laboratory**  
Tiedemann, J. & Scherrer, Y.  
01/01/2017 → 31/12/2019
9. **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
10. **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
11. **eSSENCE: Efficient Algorithms for Natural Language Processing Beyond Sentence Boundaries**  
Nivre, J., Tiedemann, J. & Stymne, S.  
01/09/2012 → 31/08/2014
12. **DiscoMT: Discourse-Oriented Statistical Machine Translation**  
Tiedemann, J., Hardmeier, C., Loáiciga, S. & Scherrer, Y.  
01/01/2012 → 31/12/2017
13. **LetsMT!: LetsMT! 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
14. **OPUS: The Open Parallel Corpus**  
Tiedemann, J.  
01/06/2004 → ...

## Datasets

1. **Document-level Machine Translation Benchmark**  
Scherrer, Y. (Creator), Tiedemann, J. (Creator) & Loáiciga, S. (Creator), University of Helsinki, 1 Nov 2019  
DOI: 10.5281/zenodo.3525366  
Dataset
2. **LetsMT repository**  
Tiedemann, J. (Creator), Zenodo, 22 Jan 2018  
DOI: 10.5281/zenodo.1157836  
Dataset

3. **Uplug**  
Tiedemann, J. (Creator), Zenodo, 22 Jan 2018  
DOI: 10.5281/zenodo.1157180, <https://github.com/Helsinki-NLP/Uplug/tree/v0.3.9>  
Dataset
4. **Lingua-Align**  
Tiedemann, J. (Creator), Zenodo, 22 Jan 2018  
DOI: 10.5281/zenodo.1157176, <https://github.com/Helsinki-NLP/Lingua-Align/tree/v0.1>  
Dataset
5. **OPUS**  
Tiedemann, J. (Creator), University of Helsinki, 2017  
<http://opus.nlpl.eu>  
Dataset
6. **WMT17 test set Finnish-English**  
Tiedemann, J. (Creator), Zenodo, 21 Jan 2018  
DOI: 10.5281/zenodo.1156326, <https://github.com/Helsinki-NLP/WMT16-test-enfi/tree/v1.0>  
Dataset
7. **WMT16 test set Finnish-English**  
Tiedemann, J. (Creator), Zenodo, 21 Jan 2018  
DOI: 10.5281/zenodo.1156325, <https://github.com/Helsinki-NLP/WMT16-test-enfi/tree/v1.0>  
Dataset
8. **Shared Task in Cross-Lingual Parsing**  
Tiedemann, J. (Data Manager), Atlassian, 2017  
<https://bitbucket.org/hy-crossNLP/wardial2017>  
Dataset
9. **DiscoMT 2015 Shared Task on Pronoun Translation**  
Tiedemann, J. (Creator), LINDAT/CLARIN, 31 Jan 2016  
DOI: <http://hdl.handle.net/11372/LRT-1611>, <http://hdl.handle.net/11372/LRT-1611>  
Dataset

## Publications

1. Vázquez, R., Scherrer, Y., Virpioja, S., & Tiedemann, J. (2021). The Helsinki submission to the AmericasNLP shared task. In M. Mager [et al.] (Ed.), *Proceedings of the First Workshop on Natural Language Processing for Indigenous Languages of the Americas* (pp. 255-264). The Association for Computational Linguistics. <https://doi.org/10.18653/v1/2021.americasnlp-1.29>
2. Aulamo, M., Virpioja, S., Scherrer, Y., & Tiedemann, J. (2021). Boosting Neural Machine Translation from Finnish to Northern Sámi with Rule-Based Backtranslation. In S. Dobnik, & L. Øvrelid (Eds.), *Proceedings of the 23rd Nordic Conference on Computational Linguistics (NoDaLiDa)* (pp. 351-356). (Linköping Electronic Conference Proceedings ; No. 78), (NEALT Proceedings Series ; No. 45). Linköping University Electronic Press. <https://www.aclweb.org/anthology/2021.nodalida-main.37.pdf>
3. Dmitrieva, A., & Tiedemann, J. (2021). Creating an Aligned Russian Text Simplification Dataset from Language Learner Data. In B. Babych [et al.] (Ed.), *Proceedings of the 8th Workshop on Balto-Slavic Natural Language Processing* (pp. 73-79). ACL Anthology. <https://aclanthology.org/2021.bsnlp-1.8>
4. Dmitrieva, A., & Tiedemann, J. (2021). A Multi-task Learning Approach to Text Simplification. In W. M. P. van der Aalst [et al.] (Ed.), *Recent Trends in Analysis of Images, Social Networks and Texts: 9th International Conference, AIST 2020, Skolkovo, Moscow, Russia, October 15–16, 2020 Revised Supplementary Proceedings* (pp. 78-89). (Communications in Computer and Information Science; Vol. 1357). Springer. [https://doi.org/10.1007/978-3-030-71214-3\\_7](https://doi.org/10.1007/978-3-030-71214-3_7)
5. Talman, A., Apidianaki, M., Chatzikyriakidis, S., & Tiedemann, J. (2021). NLI Data Sanity Check: Assessing the Effect of Data Corruption on Model Performance. In S. Dobnik, & L. Øvrelid (Eds.), *Proceedings of the 23rd Nordic Conference on Computational Linguistics (NoDaLiDa 2021)* (Linköping Electronic Conference Proceedings ; No. 78), (NEALT Proceedings Series ; No. 45). Linköping University Electronic Press.
6. Zampieri, M., Nakov, P., Ljubešić, N., Tiedemann, J., Scherrer, Y., & Jauhiainen, T. (Eds.) (2021). *Proceedings of the 8th VarDial Workshop on NLP for Similar Languages, Varieties and Dialects*. The Association for Computational Linguistics.
7. Siewert, J., Scherrer, Y., & Tiedemann, J. (2021). Towards a balanced annotated Low Saxon dataset for diachronic investigation of dialectal variation. In *Proceedings of the 17th Conference on Natural Language Processing (KONVENS 2021)* (pp. 242-246). <https://aclanthology.org/2021.konvens-1.25.pdf>
8. Siewert, J., Scherrer, Y., Wieling, M., & Tiedemann, J. (2020). LSDC - A comprehensive dataset for Low Saxon Dialect Classification. In M. Zampieri, P. Nakov, N. Ljubešić, J. Tiedemann, & Y. Scherrer (Eds.), *Proceedings of the 7th Workshop on NLP for Similar Languages, Varieties and Dialects* (pp. 25-35). International Committee on Computational Linguistics (ICCL).

9. Celikkanat, H., Virpioja, S., Tiedemann, J., & Apidianaki, M. (2020). Tracking the Traces of Passivization and Negation in Contextualized Representations. In A. Alishahi, Y. Belinkov, G. Chrupała, D. Hupkes, Y. Pinter, & H. Sajjad (Eds.), *Proceedings of the Third BlackboxNLP Workshop on Analyzing and Interpreting Neural Networks for NLP* (pp. 136-148). The Association for Computational Linguistics. <https://doi.org/10.18653/v1/2020.blackboxnlp-1.13>
10. Raganato, A., Scherrer, Y., & Tiedemann, J. (2020). Fixed Encoder Self-Attention Patterns in Transformer-Based Machine Translation. In T. Cohn, Y. H. He, & Y. Liu (Eds.), *Findings of the Association for Computational Linguistics: EMNLP 2020* (pp. 556-568). The Association for Computational Linguistics. <https://www.aclweb.org/anthology/2020.findings-emnlp.49>
11. Tiedemann, J., & Thottingal, S. (2020). OPUS-MT -- Building open translation services for the World. In A. Martins [et al.] (Ed.), *Proceedings of the 22nd Annual Conference of the European Association for Machine Translation* (pp. 479-480). European Association for Machine Translation.
12. Scherrer, Y., Raganato, A., & Tiedemann, J. (2020). The MUCOW word sense disambiguation test suite at WMT 2020. In L. Barrault [et al.] (Ed.), *Proceedings of the Fifth Conference on Machine Translation* (pp. 365-370). The Association for Computational Linguistics.
13. Tiedemann, J. (2020). The Tatoeba Translation Challenge - Realistic Data Sets for Low Resource and Multilingual MT. In L. Barrault [et al.] (Ed.), *Proceedings of the Fifth Conference on Machine Translation* (pp. 1174-1182). The Association for Computational Linguistics.
14. Koponen, M., Sulubacak, U., Vitikainen, K., & Tiedemann, J. (2020). MT for Subtitling: Investigating professional translators' user experience and feedback. In J. E. Ortega, M. Federico, C. Orasan, & M. Popovic (Eds.), *Proceedings of the 14th Conference of the Association for Machine Translation in the Americas October 6 - 9, 2020: 1st Workshop on Post-Editing in Modern-Day Translation* (pp. 79-92). AMTA. <https://www.aclweb.org/anthology/2020.amta-pemdt.6/>
15. Sulubacak, U., Caglayan, O., Grönroos, S-A., Rouhe, A., Elliott, D., Specia, L., & Tiedemann, J. (2020). Multimodal Machine Translation through Visuals and Speech. *Machine Translation*, 34(2-3), 97-147. [2]. <https://doi.org/10.1007/s10590-020-09250-0>
16. Vázquez, R., Aulamo, M., Sulubacak, U., & Tiedemann, J. (2020). The University of Helsinki Submission to the IWSLT2020 Offline Speech Translation Task. In *Proceedings of the 17th International Conference on Spoken Language Translation (IWSLT)* (pp. 95-102). The Association for Computational Linguistics. <https://doi.org/10.18653/v1/2020.iwslt-1.10>
17. Aulamo, M., Virpioja, S., & Tiedemann, J. (2020). OpusFilter: A Configurable Parallel Corpus Filtering Toolbox. In A. Çelikyilmaz, & T-H. Wen (Eds.), *58TH ANNUAL MEETING OF THE ASSOCIATION FOR COMPUTATIONAL LINGUISTICS (ACL 2020): SYSTEM DEMONSTRATIONS: System Demonstrations* (pp. 150-156). The Association for Computational Linguistics. <https://doi.org/10.18653/v1/2020.acl-demos.20>
18. Koponen, M., Sulubacak, U., Vitikainen, K., & Tiedemann, J. (2020). MT for subtitling: User evaluation of post-editing productivity. In A. Martins, H. Moniz, S. Fumega, B. Martins, F. Batista, L. Coheur, C. Parra, I. Trancoso, M. Turchi, A. Bisazza, J. Moorkens, A. Guerberof, M. Nurminen, L. Marg, & M. L. Forcada (Eds.), *Proceedings of the 22nd Annual Conference of the European Association for Machine Translation (EAMT 2020)* (pp. 115-124). European Association for Machine Translation.
19. Vazquez, R., Raganato, A., Creutz, M., & Tiedemann, J. (2020). A Systematic Study of Inner-Attention-Based Sentence Representations in Multilingual Neural Machine Translation. *Computational Linguistics*, 46(2), 387-424. [https://doi.org/10.1162/coli\\_a\\_00377](https://doi.org/10.1162/coli_a_00377)
20. Aulamo, M., Sulubacak, U., Virpioja, S., & Tiedemann, J. (2020). OpusTools and Parallel Corpus Diagnostics. In N. Calzolari, F. Béchet, P. Blache, K. Choukri, C. Cieri, T. Declerck, S. Goggi, H. Isahara, B. Maegaard, J. Mariani, H. Mazo, A. Moreno, J. Odijk, & S. Piperidis (Eds.), *Proceedings of the 12th Conference on Language Resources and Evaluation (LREC 2020)* (pp. 3782-3789). European Language Resources Association (ELRA).
21. Raganato, A., Scherrer, Y., & Tiedemann, J. (2020). An Evaluation Benchmark for Testing the Word Sense Disambiguation Capabilities of Machine Translation Systems. In N. Calzolari [et al.] (Ed.), *Proceedings of The 12th Language Resources and Evaluation Conference* (pp. 3668-3675). European Language Resources Association (ELRA). <https://www.aclweb.org/anthology/2020.lrec-1.452.pdf>
22. Tiedemann, J., Nieminen, T., Aulamo, M., Kanerva, J., Leino, A., Ginter, F., & Papula, N. (2020). The FISKMÖ Project: Resources and Tools for Finnish-Swedish Machine Translation and Cross-Linguistic Research. In N. Calzolari, F. Béchet, P. Blache, K. Choukri, C. Cieri, T. Declerck, S. Goggi, H. Isahara, B. Maegaard, J. Mariani, H. Mazo, A. Moreno, J. Odijk, & S. Piperidis (Eds.), *Proceedings of the 12th Language Resources and Evaluation Conference* (pp. 3808-3815). European Language Resources Association (ELRA). <https://www.aclweb.org/anthology/2020.lrec-1.470>
23. Mareček, D., Celikkanat, H., Silfverberg, M., Ravishankar, V., & Tiedemann, J. (2020). Are Multilingual Neural Machine Translation Models Better at Capturing Linguistic Features? *The Prague Bulletin of Mathematical Linguistics*, (115), 143-162. <https://doi.org/10.14712/00326585.009>
24. Kajava, K., Öhman, E., Hui, P., & Tiedemann, J. (2020). Emotion Preservation in Translation: Evaluating Datasets for Annotation Projection. In S. Reinson, I. Skadiņa, A. Baklāne, & J. Daugavietis (Eds.), *Proceedings of Digital Humanities in Nordic Countries (DHN 2020)* (pp. 38-50). (CEUR workshop proceedings; No. 2612). CEUR.

25. Pàmies, M., Öhman, E., Kajava, K., & Tiedemann, J. (Accepted/In press). LT@Helsinki at SemEval-2020 Task 12: Multilingual or language-specific BERT? In *Proceedings of the International Workshop on Semantic Evaluation (SemEval)*
26. Öhman, E., Pàmies, M., Kajava, K., & Tiedemann, J. (Accepted/In press). XED: A Multilingual Dataset for Sentiment Analysis and Emotion Detection. In *The 28th International Conference on Computational Linguistics: COLING 2020*
27. Scherrer, Y., Tiedemann, J., & Loáiciga, S. (2019). Analysing concatenation approaches to document-level NMT in two different domains. In *The Fourth Workshop on Discourse in Machine Translation: Proceedings of the Workshop* (pp. 51-61). The Association for Computational Linguistics. <https://doi.org/10.18653/v1/D19-6506>
28. Talman, A., Suni, A., Celikkanat, H., Kakouros, S., Tiedemann, J., & Vainio, M. (2019). Predicting Prosodic Prominence from Text with Pre-trained Contextualized Word Representations. In M. Hartmann, & B. Plank (Eds.), *22nd Nordic Conference on Computational Linguistics (NoDaLiDa): Proceedings of the Conference* (pp. 281–290). (Linköping Electronic Conference Proceedings; No. 167), (NEALT Proceedings Series; No. 42). Linköping University Electronic Press.
29. Raganato, A., Vázquez, R., Creutz, M., & Tiedemann, J. (2019). An Evaluation of Language-Agnostic Inner-Attention-Based Representations in Machine Translation. In I. Augenstein, S. Gella, S. Ruder, K. Kann, B. Can, J. Welbl, A. Conneau, X. Ren, & M. Rei (Eds.), *The 4th Workshop on Representation Learning for NLP (RepL4NLP-2019): Proceedings of the Workshop* (pp. 27-32). The Association for Computational Linguistics. <https://www.aclweb.org/anthology/W19-4304>
30. Raganato, A., Scherrer, Y., & Tiedemann, J. (2019). The MuCoW Test Suite at WMT 2019: Automatically Harvested Multilingual Contrastive Word Sense Disambiguation Test Sets for Machine Translation. In O. Bojar, R. Chatterjee, C. Federmann, & E. A. (Eds.), *Fourth Conference on Machine Translation : Proceedings of the Conference (Volume 2: Shared Task Papers, Day 1)* (pp. 470-480). The Association for Computational Linguistics. <https://www.aclweb.org/anthology/W19-5354>
31. Talman, A., Sulubacak, U., Vazquez, R., Scherrer, Y., Virpioja, S., Raganato, A., Hurskainen, A., & Tiedemann, J. (2019). The University of Helsinki submissions to the WMT19 news translation task. In *Fourth Conference of Conference on Machine Translation (WMT 2019): Proceedings of the Conference: Volume 2* (pp. 412-423). The Association for Computational Linguistics. <http://www.statmt.org/wmt19/papers.html>
32. Talman, A. J., Yli-Jyrä, A., & Tiedemann, J. (2019). Sentence Embeddings in NLI with Iterative Refinement Encoders. *Natural Language Engineering*, 25(4), 467-482. <https://doi.org/10.1017/s1351324919000202>
33. Vazquez, R., Sulubacak, U., & Tiedemann, J. (2019). The University of Helsinki submission to the WMT19 Parallel Corpus Filtering Task. In O. Bojar, R. Chatterjee, C. Federmann, & E. A. (Eds.), *Fourth Conference on Machine Translation: Proceedings of the Conference: Volume 3: Shared Task Papers, Day 2* (pp. 294-300). The Association for Computational Linguistics.
34. Tiedemann, J., & Scherrer, Y. (2019). Measuring Semantic Abstraction of Multilingual NMT with Paraphrase Recognition and Generation Tasks. In A. Rogers, A. Drozd, A. Rumshisky, & Y. Goldberg (Eds.), *Proceedings of the 3rd Workshop on Evaluating Vector Space Representations for NLP* (pp. 35-42). The Association for Computational Linguistics. <https://www.aclweb.org/anthology/W19-2005>
35. Vazquez Carrillo, J. R., Raganato, A., Tiedemann, J., & Creutz, M. (2019). Multilingual NMT with a language-independent attention bridge. In I. Augenstein, S. Gella, S. Ruder, K. Kann, B. Can, J. Welbl, A. Conneau, X. Ren, & M. Rei (Eds.), *The 4th Workshop on Representation Learning for NLP (RepL4NLP-2019): Proceedings of the Workshop* (pp. 33-39). The Association for Computational Linguistics.
36. Lison, P., Tiedemann, J., & Kouylekov, M. (2019). Open subtitles 2018: Statistical rescoring of sentence alignments in large, noisy parallel corpora. In N. Calzolari ... [et al.] (Ed.), *LREC 2018, Eleventh International Conference on Language Resources and Evaluation* (pp. 1742-1748). European Language Resources Association (ELRA).
37. Hämäläinen, M., Säily, T., Rueter, J., Tiedemann, J., & Mäkelä, E. (2019). Revisiting NMT for normalization of early English letters. In B. Alex, S. Degaetano-Ortlieb, A. Kazantseva, N. Reiter, & S. Szpakowicz (Eds.), *Proceedings of the 3rd Joint SIGHUM Workshop on Computational Linguistics for Cultural Heritage, Social Sciences, Humanities and Literature* (pp. 71–75). (ACL Anthology; No. W19-25). The Association for Computational Linguistics. <https://doi.org/10.18653/v1/W19-2509>
38. Aulamo, M., & Tiedemann, J. (2019). The OPUS Resource Repository: An Open Package for Creating Parallel Corpora and Machine Translation Services. In M. Hartmann, & B. Plank (Eds.), *22nd Nordic Conference on Computational Linguistics (NoDaLiDa): Proceedings of the Conference* (pp. 389–394). (Linköping Electronic Conference Proceedings; No. 167), (NEALT Proceedings Series; No. 42). Linköping University Electronic Press.
39. Bjerva, J., Östling, R., Han Veiga, M., Tiedemann, J., & Augenstein, I. (2019). What do Language Representations Really Represent? *Computational Linguistics*, 45(2), 381-389. [https://doi.org/10.1162/coli\\_a\\_00351](https://doi.org/10.1162/coli_a_00351)
40. Stig-Arne, G., Huet, B., Kurimo, M., Laaksonen, J., Merialdo, B., Pham, P., Sjöberg, M., Sulubacak, U., Tiedemann, J., Troncy, R., & Vázquez Carrillo, J. R. (2018). The MeMAD Submission to the WMT18 Multimodal Translation Task. In O. Bojar, R. Chatterjee, C. Federmann, M. Fishel, Y. Graham, B. Haddow, M. Huck, A. J. Yepes, P. Koehn, C. Monz, M. Negri, A. Nèveol, M. Neves, M. Post, L. Specia, M. Turchi, & K. Verspoor (Eds.), *Proceedings of the Third Conference on Machine Translation (WMT): Shared Task Papers* (pp. 603-611). The Association for Computational Linguistics. <https://doi.org/10.18653/v1/W18-6439>

41. Öhman, E. S., Tiedemann, J., Honkela, T. U., & Kajava, K. S. A. (2018). Creating a Dataset for Multilingual Fine-grained Emotion-detection Using Gamification-based Annotation. In A. Balahur, S. M. Mohammad, V. Hoste, & R. Klinger (Eds.), *Proceedings of the 9th Workshop on Computational Approaches to Subjectivity, Sentiment and Social Media Analysis* (pp. 24-30). The Association for Computational Linguistics. <https://doi.org/10.18653/v1/W18-6205>
42. Sulubacak, U., Tiedemann, J., Rouhe, A., Stig-Arne, G., & Kurimo, M. (2018). The MeMAD Submission to the IWSLT 2018 Speech Translation Task. In M. Turchi, J. Niehues, & M. Federico (Eds.), *Proceedings of the 15th International Workshop on Spoken Language Translation (IWSLT 2018)* (pp. 89-94).
43. Ehrentraut, C., Ekholm, M., Tanushi, H., Tiedemann, J., & Dalianis, H. (2018). Detecting hospital-acquired infections: A document classification approach using support vector machines and gradient tree boosting. *Health informatics journal*, 24(1), 24-42. <https://doi.org/10.1177/1460458216656471>
44. Raganato, A., & Tiedemann, J. (2018). An Analysis of Encoder Representations in Transformer-Based Machine Translation. In L. Tal, G. Chrupala, & A. Alishahi (Eds.), *Proceedings of the 2018 EMNLP Workshop BlackboxNLP: Analyzing and Interpreting Neural Networks for NLP* (pp. 287-297). The Association for Computational Linguistics. <http://aclweb.org/anthology/W18-5431>
45. Tiedemann, J. (2018). Emerging Language Spaces Learned From Massively Multilingual Corpora. In E. Mäkelä, M. Tolonen, & J. Tuominen (Eds.), *Proceedings of the Digital Humanities in the Nordic Countries 3rd Conference (DHN 2018)* (Vol. 2084, pp. 188-197). (CEUR Workshop Proceedings). CEUR Workshop Proceedings.
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