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Pätevyudet

Computational Linguistics, PhD, Uppsala University
2000 → 2003

Computer Science, M.Sc., Otto Von Guericke University, Magdeburg
1991 → 1997

Vastuullinen tutkija

Ajanjakso : 27.01.2016 - 31.12.2017 organisaatiossa Nykykielten laitos 2010-2017

Vastuullinen tutkija

Ajanjakso : 17.02.2018 - * organisaatiossa Digitaalisten ihmistieteiden osasto

Työsuhteet

professori

Digitaalisten ihmistieteiden osasto
Helsingin yliopisto
Suomi
1 tammikuuta 2018 → present

professori

Nykykielten laitos 2010-2017
Helsingin yliopisto
Suomi
1 elokuuta 2015 → 31 joulukuuta 2017

Language Technology

Helsingin yliopisto
University of Helsinki, Suomi
1 elokuuta 2015 → present

Ohjaaja tohtorihjelmassa

Kielentutkimuksen tohtorihjelma
Helsingin yliopisto
1 tammikuuta 2014 → present

Projektit

1. **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

2. **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.
Svenska kulturfonden
01/05/2018 → 31/05/2020
3. **MeMAD: Methods for Managing Audiovisual Data: Combining Automatic Efficiency with Human Accuracy**
Hirvonen, M., Tiedemann, J., Tiittula, L., Sulubacak, U. & Vazquez, R.
European Commission / Horizon 2020
01/01/2018 → 31/12/2020
4. **NLUxLG: NLU with Cross-Lingual Grounding**
Tiedemann, J., Talman, A., Raganato, A. & Celikkanat, H.
SUOMEN AKATEMIA
01/01/2018 → 31/12/2019
5. **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., Viitamäki, M. & Lindstedt, J.
01/05/2017 → 31/12/2018
6. **NLPL: Nordic Language Processing Laboratory**
Tiedemann, J. & Scherrer, Y.
01/01/2017 → 31/12/2019
7. **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
8. **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
9. **eSSENCE: Efficient Algorithms for Natural Language Processing Beyond Sentence Boundaries**
Nivre, J., Tiedemann, J. & Stymne, S.
01/09/2012 → 31/08/2014
10. **DiscoMT: Discourse-Oriented Statistical Machine Translation**
Tiedemann, J., Hardmeier, C., Loáiciga, S. & Scherrer, Y.
01/01/2012 → 31/12/2017
11. **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
12. **OPUS: The Open Parallel Corpus**
Tiedemann, J.
01/06/2004 → ...

Tietoaineistot

1. **LetsMT repository**
Tiedemann, J. (Luoja), Zenodo, 22 tammikuuta 2018
DOI - pysyväislinkki: <https://doi.org/10.5281/zenodo.1157836>
Tietoaineisto
2. **Uplug**
Tiedemann, J. (Luoja), Zenodo, 22 tammikuuta 2018
DOI - pysyväislinkki: <https://doi.org/10.5281/zenodo.1157180>, <https://github.com/Helsinki-NLP/Uplug/tree/v0.3.9>
Tietoaineisto
3. **Lingua-Align**
Tiedemann, J. (Luoja), Zenodo, 22 tammikuuta 2018
DOI - pysyväislinkki: <https://doi.org/10.5281/zenodo.1157176>, <https://github.com/Helsinki-NLP/Lingua-Align/tree/v0.1>
Tietoaineisto

4. **OPUS**
Tiedemann, J. (Luoja), University of Helsinki, 2017
<http://opus.nlpl.eu>
Tietoaineisto
5. **WMT17 test set Finnish-English**
Tiedemann, J. (Luoja), Zenodo, 21 tammikuuta 2018
DOI - pysyväislinkki: <https://doi.org/10.5281/zenodo.1156326>, <https://github.com/Helsinki-NLP/WMT16-test-enfi/tree/v1.0>
Tietoaineisto
6. **WMT16 test set Finnish-English**
Tiedemann, J. (Luoja), Zenodo, 21 tammikuuta 2018
DOI - pysyväislinkki: <https://doi.org/10.5281/zenodo.1156325>, <https://github.com/Helsinki-NLP/WMT16-test-enfi/tree/v1.0>
Tietoaineisto
7. **Shared Task in Cross-Lingual Parsing**
Tiedemann, J. (Tietojen hallinnoija), Atlassian, 2017
<https://bitbucket.org/hy-crossNLP/wardial2017>
Tietoaineisto
8. **DiscoMT 2015 Shared Task on Pronoun Translation**
Tiedemann, J. (Luoja), LINDAT/CLARIN, 31 tammikuuta 2016
DOI - pysyväislinkki: <https://doi.org/http://hdl.handle.net/11372/LRT-1611>, <http://hdl.handle.net/11372/LRT-1611>
Tietoaineisto

Julkaisut

1. Bjerva, J., Östling, R. M., Han Veiga, M., Tiedemann, J., & Augenstein, I. (Hyväksytty/painossa). What do Language Representations Really Represent? *Computational Linguistics*.
2. Stig-Arne, G., Huet, B., Kurimo, M., Laaksonen, J., Merialdo, B., Pham, P., ... Vázquez Carrillo, J. R. (2018). The MeMAD Submission to the WMT18 Multimodal Translation Task. teoksessa O. Bojar, R. Chatterjee, C. Federmann, M. Fishel, Y. Graham, B. Haddow, M. Huck, A. J. Yepes, P. Koehn, C. Monz, M. Negri, A. Névél, M. Neves, M. Post, L. Specia, M. Turchi, ... K. Verspoor (Toimittajat), *Proceedings of the Third Conference on Machine Translation (WMT): Shared Task Papers* (Sivut 603-611). Stroudsburg: Association for Computational Linguistics.
3. Öhman, E. S., Tiedemann, J., Honkela, T. U., & Kajava, K. (2018). Creating a Dataset for Multilingual Fine-grained Emotion-detection Using Gamification-based Annotation. teoksessa *Proceedings of the 9th Workshop on Computational Approaches to Subjectivity, Sentiment and Social Media Analysis* (Sivut 24-30). Stroudsburg: Association for Computational Linguistics.
4. Sulubacak, U., Tiedemann, J., Rouhe, A., Stig-Arne, G., & Kurimo, M. (2018). The MeMAD Submission to the IWSLT 2018 Speech Translation Task. teoksessa M. Turchi, J. Niehues, & M. Federico (Toimittajat), *Proceedings of the 15th International Workshop on Spoken Language Translation (IWSLT 2018)* (Sivut 89-94). Bruges.
5. Raganato, A., & Tiedemann, J. (2018). An Analysis of Encoder Representations in Transformer-Based Machine Translation. teoksessa L. Tal, G. Chrupala, & A. Alishahi (Toimittajat), *Proceedings of the 2018 EMNLP Workshop BlackboxNLP: Analyzing and Interpreting Neural Networks for NLP* (Sivut 287-297). Stroudsburg: Association for Computational Linguistics.
6. Tiedemann, J. (2018). Emerging Language Spaces Learned From Massively Multilingual Corpora. teoksessa E. Mäkelä, M. Tolonen, & J. Tuominen (Toimittajat), *Proceedings of the Digital Humanities in the Nordic Countries 3rd Conference (DHN 2018)* (Vuosikerta 2084, Sivut 188-197). (CEUR Workshop Proceedings). Helsinki: CEUR Workshop Proceedings.
7. Zampieri, M., Malmasi, S., Nakov, P., Ali, A., Shon, S., Glass, J., ... Jain, M. (2018). Language Identification and Morphosyntactic Tagging: The Second VarDial Evaluation Campaign. teoksessa M. Zampieri, P. Nakov, N. Ljubešić, J. Tiedemann, S. Malmasi, & A. Ali (Toimittajat), *Proceedings of the Fifth Workshop on NLP for Similar Languages, Varieties and Dialects* (Sivut 1-17). Santa Fe: Association for Computational Linguistics.
8. Hämäläinen, M., Säily, T., Rueter, J., Tiedemann, J., & Mäkelä, E. (2018). Normalizing early English letters to Present-day English spelling. teoksessa B. Alex, S. Degaetano-Ortlieb, A. Feldman, A. Kazantseva, N. Reiter, & S. Szpakowicz (Toimittajat), *Proceedings of the 2nd Joint SIGHUM Workshop on Computational Linguistics for Cultural Heritage, Social Sciences, Humanities and Literature* (Sivut 87-96). (ACL Anthology; Nro W18-45). Stroudsburg, PA: Association for Computational Linguistics.
9. Lison, P., Tiedemann, J., & Kouylekov, M. (2018). OpenSubtitles2018: Statistical Rescoring of Sentence Alignments in Large, Noisy Parallel Corpora. teoksessa N. Calzolari, C. Khalid, C. Christopher, D. Thierry, G. Sara, H. Koiti, I. Hitoshi, M. Bente, M. Joseph, M. Hélène, M. Asuncion, O. Jan, P. Stelios, ... T. Takenobu (Toimittajat), *Proceedings of the 11th International Conference on Language Resources and Evaluation (LREC 2018)* (Sivut 1742-1748). Paris: European Language Resources Association (ELRA).

10. Bozovic, P., Erjavec, T., Tiedemann, J., Ljubesic, N., & Gorjanc, V. (2018). Opus-MontenegrinSubs 1.0: First electronic corpus of the Montenegrin language. teoksessa D. Fišer, & A. Pančur (Toimittajat), *Proceedings of the conference on Language Technologies & Digital Humanities 2018* (Sivut 24-28). Ljubljana: Ljubljana University Press.
11. Zampieri, M., Nakov, P., Ljubesic, N., Tiedemann, J., Malmasi, S., & Ali, A. (Toimittajat) (2018). *Proceedings of the Fifth Workshop on NLP for Similar Languages, Varieties and Dialects (VarDial 2018)*. Stroudsburg: Association for Computational Linguistics.
12. Raganato, A., Scherrer, Y., Nieminen, T., Hurskainen, A., & Tiedemann, J. (2018). The University of Helsinki submissions to the WMT18 news task. teoksessa O. Bojar, R. Chatterjee, C. Federmann, M. Fishel, Y. Graham, B. Haddow, M. Huck, A. J. Yepes, P. Koehn, C. Monz, M. Negri, A. N ev ol, M. Neves, M. Post, L. Specia, M. Turchi, ... K. Verspoor (Toimittajat), *Proceedings of the Third Conference on Machine Translation: Shared Task Papers* (Sivut 488-495). Stroudsburg: Association for Computational Linguistics.
13. Shao, Y., Hardmeier, C., Tiedemann, J., & Nivre, J. (2017). Character-based Joint Segmentation and POS Tagging for Chinese using Bidirectional RNN-CRF. teoksessa *The Eighth International Joint Conference on Natural Language Processing: Proceedings of the Conference, Vol. 1 (Long Papers)* (Sivut 173-183). Taipei: Asian Federation of Natural Language Processing.
14. Tiedemann, J. (Toimittaja) (2017). *Proceedings of the 21st Nordic Conference on Computational Linguistics (NoDaLiDa)*. (Link ping Electronic Conference Proceedings; Nro 131). Gothenburg: Link ping University Electronic Press.
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16. Tiedemann, J. (2017). Cross-Lingual Dependency Parsing for Closely Related Languages: Helsinki's Submission to VarDial 2017. teoksessa *Fourth Workshop on NLP for Similar Languages, Varieties and Dialects (VarDial'2017): Proceedings of the Workshop* (Sivut 131-136). Stroudsburg: Association for Computational Linguistics. <https://doi.org/10.18653/v1/w17-1216>
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18. Tiedemann, J., & van der Plas, L. (2017). Bootstrapping a Dependency Parser for Maltese - A Real-World Test Case. teoksessa M. Wieling, M. Kroon, G. Van Noord, & G. Bouma (Toimittajat), *From Semantics to Dialectometry: Festschrift in honor of John Nerbonne* (Sivut 355-365). (Tributes; Nro 32). Milton Keynes: College Publications.
19. Lo ciga, S., Stymne, S., Nakov, P., Hardmeier, C., Tiedemann, J., Cettolo, M., & Versley, Y. (2017). Findings of the 2017 DiscoMT Shared Task on Cross-lingual Pronoun Prediction. teoksessa *Discourse in Machine Translation (DiscoMT 2017): Proceedings of the Workshop* (Sivut 1-16). Stroudsburg: Association for Computational Linguistics.
20. Kotz , G., Vandeghinste, V., Martens, S., & Tiedemann, J. (2017). Large aligned treebanks for syntax-based machine translation. *Language Resources and Evaluation*, 51(2), 249-282. <https://doi.org/10.1007/s10579-016-9369-0>
21. Tiedemann, J., & Scherrer, Y. (2017). Neural Machine Translation with Extended Context. teoksessa *Proceedings of the Third Workshop on Discourse in Machine Translation* (Sivut 82-92). Stroudsburg: Association for Computational Linguistics. <https://doi.org/10.18653/v1/w17-4811>
22. Hurskainen, A., & Tiedemann, J. (2017). Rule-based Machine Translation from English to Finnish. teoksessa *Proceedings of the Second Conference on Machine Translation (WMT2017)* (Sivut 323-329). Copenhagen, Denmark: Association for Computational Linguistics. <https://doi.org/10.18653/v1/w17-4731>
23. Tjong Kim Sang, E., Bollmann, M., Boschker, R., Casacuberta, F., Dietz, F., Dipper, S., ... Zervanou, K. (2017). The CLIN27 Shared Task: Translating Historical Text to Contemporary Language for Improving Automatic Linguistic Annotation. *Computational Linguistics in the Netherlands*, 7, 53-64.
24.  stling, R., Scherrer, Y., Tiedemann, J., & Nieminen, T. (2017). The Helsinki Neural Machine Translation System. teoksessa *Proceedings of the Second Conference on Machine Translation (WMT2017)* (Sivut 338-347). Stroudsburg: Association for Computational Linguistics. <https://doi.org/10.18653/v1/w17-4733>
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26. Tiedemann, J., Nichols, J., & Sprouse, R. (2016). Tagging Ingush - Language Technology For Low-Resource Languages Using Resources From Linguistic Field Work. teoksessa *Language Technology Resources and Tools for Digital Humanities (LT4DH): Proceedings of the Workshop* (Sivut 148-155). Osaka.

27. Öhman, E., Honkela, T., & Tiedemann, J. (2016). The Challenges of Multi-dimensional Sentiment Analysis Across Languages. teoksessa *Workshop on Computational Modeling of People's Opinions, Personality, and Emotions in Social Media (PEOPLES): Proceedings of the Workshop* (Sivut 138-142). Osaka, Japan: The COLING 2016 Organizing Committee .
28. Östling, R., & Tiedemann, J. (2016). Efficient word alignment with Markov Chain Monte Carlo. *The Prague Bulletin of Mathematical Linguistics*, 106, 125-146. <https://doi.org/10.1515/pralin-2016-0013>
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33. Tiedemann, J., & Agi, Z. (2016). Synthetic Treebanking for Cross-Lingual Dependency Parsing. *Journal of Artificial Intelligence Research*, 55, 209-248. <https://doi.org/10.1613/jair.4785>
34. Smith, A., Hardmeier, C., & Tiedemann, J. (2016). Climbing Mont BLEU: The Strange World of Reachable High-BLEU Translations. *Baltic Journal of Modern Computing*, 4(2), 269–281.
35. Tiedemann, J. (2016). Finding Alternative Translations in a Large Corpus of Movie Subtitles. teoksessa N. Calzolari, K. Choukri, T. Declerck, S. Goggi, M. Grobelnik, B. Maegaard, J. Mariani, H. Mazo, A. Moreno, J. Odijk, ... S. Piperidis (Toimittajat), *Proceedings of the 10th International Conference on Language Resources and Evaluation (LREC-2016)* (Sivut 3518-3522)
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37. Lison, P., & Tiedemann, J. (2016). OpenSubtitles2015: Extracting Large Parallel Corpora from Movie and TV Subtitles. teoksessa N. Calzolari, K. Choukri, T. Declerck, S. Goggi, M. Grobelnik, B. Maegaard, J. Mariani, H. Mazo, A. Moreno, J. Odijk, ... S. Piperidis (Toimittajat), *Proceedings of the 10th International Conference on Language Resources and Evaluation (LREC-2016)*
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39. Tiedemann, J., Ginter, F., & Kanerva, J. (2015). Morphological Segmentation and OPUS for Finnish-English Machine Translation. teoksessa *Proceedings of the Tenth Workshop on Statistical Machine Translation* (Sivut 177-183). The Association for Computational Linguistics.
40. Callin, J., Hardmeier, C., & Tiedemann, J. (2015). Part-of-Speech Driven Cross-Lingual Pronoun Prediction with Feed-Forward Neural Networks. teoksessa *Proceedings of the Second Workshop on Discourse in Machine Translation (DiscoMT)* (Sivut 59-64). The Association for Computational Linguistics.
41. Hardmeier, C., Nakov, P., Stymne, S., Tiedemann, J., Versley, Y., & Cettolo, M. (2015). Pronoun-Focused MT and Cross-Lingual Pronoun Prediction: Findings of the 2015 DiscoMT Shared Task on Pronoun Translation. teoksessa *Proceedings of the Second Workshop on Discourse in Machine Translation (DiscoMT)*, (Sivut 1-16). The Association for Computational Linguistics.
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43. Shao, Y., Tiedemann, J., & Nivre, J. (2015). Boosting English-Chinese Machine Transliteration via High Quality Alignment and Multilingual Resources. teoksessa *Proceedings of the Fifth Named Entity Workshop, joint with 53rd ACL and the 7th IJCNLP* (Sivut 56-60)
44. Tiedemann, J. (2015). Improving the Cross-Lingual Projection of Syntactic Dependencies. teoksessa *Proceedings of the 20th Nordic Conference of Computational Linguistics (NODALIDA 2015)* (Sivut 191-199)
45. Agić, Ž., Tiedemann, J., Merkler, D., Krek, S., Dobrovoljc, K., & Može, S. (2014). Cross-lingual Dependency Parsing of Related Languages with Rich Morphosyntactic Tagsets. teoksessa *Language Technology for Closely Related Languages and Language Variants (LT4CloseLang)* (Sivut 13-24). The Association for Computational Linguistics.
46. Martinez Garcia, E., Tiedemann, J., España-Bonet, C., & Màrquez, L. (2014). Word's Vector Representations meet Machine Translation. teoksessa *Proceedings of SSST-8, Eighth Workshop on Syntax, Semantics and Structure in Statistical Translation* (Sivut 132-134)

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48. Tiedemann, J. (2014). Rediscovering Annotation Projection for Cross-Lingual Parser Induction. teoksessa *Proceedings of COLING 2014, the 25th International Conference on Computational Linguistics: Technical Papers*
49. Skadiņš, R., Tiedemann, J., Rozis, R., & Deksne, D. (2014). Billions of Parallel Words for Free: Building and Using the EU Bookshop Corpus. teoksessa *Proceedings of the 9th International Conference on Language Resources and Evaluation (LREC-2014)* (Sivut 1850-1855)
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52. Hardmeier, C., Stymne, S., Smith, A., Tiedemann, J., & Nivre, J. (2014). Anaphora Models and Reordering for Phrase-Based SMT. teoksessa *Proceedings of the Ninth Workshop on Statistical Machine Translation* (Sivut 122-129). The Association for Computational Linguistics.
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54. Tiedemann, J. (2014). Improved Text Extraction from PDF Documents for Large-Scale Natural Language Processing. teoksessa A. Gelbukh (Toimittaja), *Computational Linguistics and Intelligent Text Processing* (Vuosikerta 1, Sivut 102-112). (Lecture Notes in Computer Science LNCS 8403). Berlin: Springer.
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58. Hardmeier, C., Tiedemann, J., & Nivre, J. (2013). Latent Anaphora Resolution for Cross-Lingual Pronoun Prediction. teoksessa *Unknown host publication*
59. Hardmeier, C., Stymne, S., Tiedemann, J., & Nivre, J. (2013). Docent: A Document-Level Decoder for Phrase-Based Statistical Machine Translation. teoksessa *Unknown host publication* (Sivut 193-198)
60. Stymne, S., Hardmeier, C., Tiedemann, J., & Nivre, J. (2013). Feature Weight Optimization for Discourse-Level SMT. teoksessa *Unknown host publication* (Sivut 60-69)
61. Webber, B., Popescu-Belis, A., Markert, K., & Tiedemann, J. (Toimittajat) (2013). *Proceedings of the Workshop on Discourse in Machine Translation*. Sofia, Bulgaria: Association for Computational Linguistics.
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