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Språkteknologi
Avdelningen för digital humaniora
Centre of Excellence in Ancient Near Eastern Empires (ANEE)

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Kvalifikationer

Forskningsledare (Principal Investigator)

Tidsperiod : 01.06.2010 - 31.12.2017 i Institutionen för moderna språk 2010-2017

Forskningsledare (Principal Investigator)

Tidsperiod : 15.05.2018 - * i Avdelningen för digital humaniora

Anställning

forskningsdirektör

Avdelningen för digital humaniora

Helsingfors universitet

Finland

1 jan 2018 → present

Titeln docent

Fakultetens gemensamma

Helsingfors universitet

Finland

1 jan 2010 → present

Centre of Excellence in Ancient Near Eastern Empires (ANEE)

Helsingfors universitet

Finland

1 jan 2018 → 31 dec 2025

Forskningsoutput

2021

Findings of the VarDial Evaluation Campaign 2021

Chakravarthi, B. R., Gaman, M., Ionescu, R. T., Jauhiainen, H., Jauhiainen, T., Linden, K., Ljubešić, N., Partanen, N., Priyadharshini, R., Purschke, C., Rajagopal, E., Scherrer, Y. & Zampieri, M., apr 2021, *Proceedings of the 8th VarDial Workshop on NLP for Similar Languages, Varieties and Dialects*. Zampieri, M., Nakov, P., Ljubešić, N., Tiedemann, J., Scherrer, Y. & Jauhiainen, T. (red.). Stroudsburg: The Association for Computational Linguistics, s. 1-11 11 s.

Fear in Akkadian Texts: New Digital Perspectives on Lexical Semantics

Svärd, S., Alstola, T., Jauhiainen, H., Sahala, A. & Linden, K., 2021, *The Expression of Emotions in Ancient Egypt and Mesopotamia*. Hsu, S-W. & Llop-Raduà, J. (red.). Leiden: Brill, s. 470-502 33 s. (Culture and History of the Ancient Near East; vol. 116).

Naive Bayes-based Experiments in Romanian Dialect Identification

Jauhiainen, T., Jauhiainen, H. & Linden, K., 2021, *Proceedings of the 8th VarDial Workshop on NLP for Similar Languages, Varieties and Dialects*. Zampieri, M., Nakov, P., Ljubešić, N., Tiedemann, J., Scherrer, Y. & Jauhiainen, T. (red.). Stroudsburg: ACL Anthology, s. 76-83 8 s.

Naive Bayes-based Experiments in Romanian Dialect Identification

Jauhiainen, T., Jauhiainen, H. & Linden, K., 2021.

Suomalais-ugrilaiset kielet ja internet -projekti 2013-2019

Jauhiainen, T., Jauhiainen, H. & Linden, K., 2021, *Multilingual Facilitation*. Hämäläinen, M., Partanen, N. & Alnajjar, K. (red.). Helsinki: University of Helsinki

2020

A Report on the VarDial Evaluation Campaign 2020

Gaman, M., Hovy, D., Ionescu, R. T., Jauhiainen, H., Jauhiainen, T., Linden, K., Ljubešić, N., Partanen, N., Purschke, C., Scherrer, Y. & Zampieri, M., 13 dec 2020, *Proceedings of the 7th Workshop on NLP for Similar Languages, Varieties and Dialects*. Zampieri, M., Nakov, P., Ljubešić, N., Tiedemann, J. & Scherrer, Y. (red.). International Committee on Computational Linguistics, s. 1-14

Optical character recognition with neural networks and post-correction with finite state methods

Drobac, S. & Linden, K., dec 2020, I: *International Journal on Document Analysis and Recognition*. 23, 4, s. 279-295 17 s.

Improving Word Association Measures in Repetitive Corpora with Context Similarity Weighting

Sahala, A. & Lindén, K., nov 2020, *Proceedings of the 12th International Joint Conference on Knowledge Discovery, Knowledge Engineering and Knowledge Management, IC3K 2020, Volume 1: KDIR, Budapest, Hungary, November 2-4, 2020*. Fred, A. L. N. & Filipe, J. (red.). Setúbal: SCITEPRESS Science And Technology Publications , s. 48-58 11 s.

Akkadian Treebank for early Neo-Assyrian Royal Inscriptions

Luukko, M., Sahala, A., Hardwick, S. & Lindén, K., 27 okt 2020, *Proceedings of the 19th International Workshop on Treebanks and Linguistic Theories*. Evang, K., Kallmeyer, L., Ehren, R., Petitjean, S., Seyffarth, E. & Seddah, D. (red.). Stroudsburg: The Association for Computational Linguistics, s. 124-134 11 s.

CLARIN contractual framework for sharing language data: the perspective of personal data protection

Kelli, A., Linden, K., Vider, K., Kamocki, P., Tavast, A., Birštonas, R., Tavits, G., Keskküla, M. & Labropoulou, P., 5 okt 2020, *Proceedings of CLARIN Annual Conference 2020. 05 – 07 October 2020, Online Edition*. Navarretta, C. & Eskevich, M. (red.). Utrecht: CLARIN ERIC, s. 171-177 7 s.

A CLARIN Contractual Framework for Sharing Personal Data for Scientific Research

Linden, K., Kelli, A. & Nousias, A., 3 jul 2020, *Selected Papers from the CLARIN Annual Conference 2019*. Simov, K. & Eskevich, M. (red.). Linköping: Linköping University Electronic Press, s. 75–84 10 s. 10. (Linköping Electronic Conference Proceedings; nr. 172).

The Impact of Copyright and Personal Data Laws on the Creation and Use of Models for Language Technologies

Kelli, A., Tavast, A., Lindén, K., Vider, K., Birštonas, R., Labropoulou, P., Kull, I., Tavits, G., Värvi, A., Stranák, P. & Hajic, J., 3 jul 2020, *Selected Papers from the CLARIN Annual Conference 2019*. Simov, K. & Eskevich, M. (red.). Linköping: Linköping University Electronic Press, s. 53-65 13 s. (Linköping Electronic Conference Proceedings; nr. 172).

Automated Phonological Transcription of Akkadian Cuneiform Text

Sahala, A., Silfverberg, M., Arppe, A. & Linden, K., 17 maj 2020, *Proceedings of the 12th Conference on Language Resources and Evaluation (LREC 2020)*. Calzolari ... [et al.], N. (red.). Paris: European Language Resources Association (ELRA), s. 3528-3934 7 s.

BabyFST: Towards a Finite-State Based Computational Model of Ancient Babylonian

Sahala, A., Silfverberg, M., Arppe, A. & Linden, K., 17 maj 2020, *Proceedings of the 12th Conference on Language Resources and Evaluation (LREC 2020)*. Calzolari ... [et al.], N. (red.). Paris: European Language Resources Association (ELRA), s. 3886-3894 9 s.

The European Language Technology Landscape in 2020: Language-Centric and Human-Centric AI for Cross-Cultural Communication in Multilingual Europe

Rehm, G., Marheinecke, K., Hegele, S., Piperidis, S., Bontcheva, K., Hajic, J., Choukri, K., Vasiljevs, A., Backfried, G., Prinz, C., Gomez-Perez, J. M., Meertens, L., Lukowicz, P., van Genabith, J., Lösch, A., Slusallek, P., Irgens, M., Gatellier, P., Köhler, J., Le Bars, L. & 27 andra, Anastasiou, D., Auksoirūtė, A., Bel, N., Branco, A., Budin, G., Daelemans, W., De Smedt, K., Garabík, R., Gavriilidou, M., Gromann, D., Koeva, S., Krek, S., Krstev, C., Lindén, K., Magnini, B., Odijk, J., Ogrodniczuk, M., Rögnvaldsson, E., Rosner, M., Pedersen, B., Skadina, I., Tadić, M., Tufi, D., Váradi, T., Vider, K., Way, A. & Yvon, F., 1 maj 2020, *Proceedings of The 12th Language Resources and Evaluation Conference*. Calzolari [et al.], N. (red.). Paris: European Language Resources Association (ELRA), s. 3322-3332 11 s.

A Finnish news corpus for named entity recognition

Ruokolainen, T., Kauppinen, P., Silfverberg, M. & Lindén, K., mar 2020, I: *Language Resources and Evaluation*. 54, 1, s. 247-272 26 s.

Building Web Corpora for Minority Languages

Jauhiainen, H., Jauhiainen, T. & Linden, K., 2020, *Proceedings of the 12th Web as Corpus Workshop*. Barbaresi, A., Bildhauer, F., Schäfer, R. & Stemle, E. (red.). Stroudsburg: The Association for Computational Linguistics, s. 23-32 10 s.

Compatibility of business models of Estonian language technology entrepreneurs with regulatory framework on the use of digital content

Kull, I., Vider, K., Mets, T., Kelli, A. & Linden, K., 2020, I: *International Comparative Jurisprudence*. 6, 1, s. 70–83 14 s.

Experiments in Language Variety Geolocation and Dialect Identification

Jauhiainen, T., Jauhiainen, H. & Linden, K., 2020, *Proceedings of the 7th Workshop on NLP for Similar Languages, Varieties and Dialects*. Zampieri, M., Nakov, P., Ljubešić, N., Tiedemann, J. & Scherrer, Y. (red.). International Committee on Computational Linguistics (ICCL), s. 220-231 12 s.

Impact of Legal Status of Data on Development of Data-Intensive Products: Example of Language Technologies

Kelli, A., Tavast, A., Linden, K., Bristonas, R., Labropoulou, P., Vider, K., Kull, I., Tavits, G., Värvi, A. & Mantrov, V., 2020, *Legal Science: Functions, Significance and Future in Legal Systems II : Collection of Research Papers in Conjunction with the 7th International Scientific Conference of the Faculty of Law of the University of Latvia (16–18 October 2019, Riga)*. Damberg, A. (red.). Riga: University of Latvia press, s. 383–400 18 s.

Keeleandmete õigusliku režiimi mõju nende abil loodud keelemudelitele

Kelli, A., Vider, K., Tavast, A., Lindén, K., Birštonas, R., Labropoulou, P., Värvi, A., Kull, I., Tavits, G. & Ginter, C., 2020, I: *Eesti rakenduslingvistika ühingu aastaraamat*. 16, s. 59-76 18 s.

Uralic Language Identification (ULI) 2020 shared task dataset and the Wanca 2017 corpora

Jauhiainen, T., Jauhiainen, H., Partanen, N. & Linden, K., 2020, *Proceedings of the 7th Workshop on NLP for Similar Languages, Varieties and Dialects*. Zampieri, M., Nakov, P., Ljubešić, N., Tiedemann, J. & Scherrer, Y. (red.). International Committee on Computational Linguistics (ICCL), s. 173–185 13 s.

Vestlusrobotid ja autoriõigus

Kelli, A., Tavast, A. & Linden, K., 2020, I: *Juridica*. 5, s. 345–354 10 s.

2019

The Extent of Legal Control over Language Data: the Case of Language Technologies

Kelli, A., Tavast, A., Linden, K., Vider, K., Birštonas, R., Labropoulou, P., Kull, I., Tavits, G. & Värvi, A., 30 sep 2019, *Proceedings of CLARIN Annual Conference 2019*. Simov, K. & Eskevich, M. (red.). Utrecht: CLARIN ERIC, s. 69-74 6 s.

To Ask or not to Ask: Informed Consent to Participate and Using Data in the Public Interest

Linden, K., Kelli, A. & Nousias, A., 30 sep 2019, *Proceedings of CLARIN Annual Conference 2019*. Simov, K. & Eskevich, M. (red.). Leipzig: CLARIN ERIC, s. 56-60 5 s.

Language Model Adaptation for Language and Dialect Identification of Text

Jauhiainen, T. S., Linden, B. K. J. & Jauhiainen, H. A., sep 2019, I: *Natural Language Engineering*. 25, 5, s. 561-583 23 s., 135132491900038.

Automatic Language Identification in Texts: A Survey

Jauhiainen, T., Lui, M., Zampieri, M., Baldwin, T. & Lindén, K., 25 aug 2019, I: *Journal of Artificial Intelligence Research*. 65, s. 675-782 108 s.

Processing personal data without the consent of the data subject for the development and use of language resources

Kelli, A., Lindén, K., Vider, K., Kamocki, P., Birštonas, R., Calamai, S., Labropoulou, P., Gavriilidou, M. & Stranák, P., 28 maj 2019, *Selected papers from the CLARIN Annual Conference 2018, Pisa, 8-10 October 2018*. Skadina, I. & Eskevich, M. (red.). Linköping: Linköping University Electronic Press, s. 72-82 11 s. (Linköping Electronic Conference Proceedings; nr. 159).

Discriminating between Mandarin Chinese and Swiss-German varieties using adaptive language models

Jauhiainen, T. S., Jauhiainen, H. A. & Linden, B. K. J., 30 apr 2019, *Proceedings of the Sixth Workshop on NLP for Similar Languages, Varieties and Dialects (VarDial 2019)*. Stroudsburg: The Association for Computational Linguistics, s. 178-187 10 s.

Language and Dialect Identification of Cuneiform Texts

Jauhiainen, T. S., Jauhiainen, H. A., Alstola, T. & Linden, B. K. J., 30 apr 2019, *Proceedings of the Sixth Workshop on NLP for Similar Languages, Varieties and Dialects (VarDial 2019)*. Stroudsburg: The Association for Computational Linguistics, s. 89-98 10 s.

Aššur and His Friends: A Statistical Analysis of Neo-Assyrian Texts

Alstola, T., Zaia, S., Sahala, A., Jauhiainen, H., Svärd, S. & Linden, K., 2019, I: *Journal of Cuneiform Studies*. 71, s. 159-180 22 s.

FinnTransFrame: translating frames in the FinnFrameNet project

Lindén, K., Haltia, H., Laine, A., Luukkonen, J., Piitulainen, J. & Väisänen, N., 2019, I: *Language Resources and Evaluation*. 53, 1, s. 141-171 31 s.

Improving OCR of historical newspapers and journals published in Finland

Drobac, S., Kauppinen, P. & Linden, K., 2019, *Proceedings of the 3rd International Conference on Digital Access to Textual Cultural Heritage*. New York: ACM, s. 97-102 6 s.

Optical Font Family Recognition using a Neural Network

Drobac, S. & Lindén, K., 2019, *Proceedings of the Research Data And Humanities (Rdhum) 2019 Conference: Data, Methods And Tools*. Jantunen, J. H., Brunni, S., Kunnas, N., Palviainen, S. & Västi, K. (red.). Oulu: Studia Humaniora Ouluensia, s. 115-123 9 s. (Studia humaniora ouluensia; nr. 17).

Wanca in Korp: Text corpora for underresourced Uralic languages

Jauhiainen, H., Jauhiainen, T. & Linden, K., 2019, *Proceedings of the Research data and humanities (RDHUM) 2019 conference : data, methods and tools*. Jantunen, J. H., Brunni, S., Kunnas, N., Palviainen, S. & Västi, K. (red.). Oulu: University of Oulu, s. 21-40 20 s. (Studia Humaniora Ouluensia; nr. 17).

2018

Vad får AI för bild av mänskligheten?

Linden, B. K. J., 26 nov 2018, I: *Yliopistolainen* : Helsingin yliopiston henkilöstölehti. 4/2018, s. 9 1 s.

Challenges of transformation of research data into open data: The perspective of social sciences and humanities

Kelli, A., Mets, T., Vider, K., Värvi, A., Jonsson, L., Lindén, K. & Birtonas, R., sep 2018, I: *International Journal of Technology Management & Sustainable Development*. 17, 3, s. 227-251 25 s.

Semantic Domains in Akkadian Text

Svärd, S. S., Jauhiainen, H. A., Linden, B. K. J. & Sahala, A. J. A., 7 aug 2018, *CyberResearch on the Ancient Near East and Neighboring Regions: Case Studies on Archaeological Data, Objects, Texts, and Digital Archiving*. Juloux, V. B., Gansell, A. R. & di Ludovico, A. (red.). Leiden: Brill, s. 224-256 33 s. (Digital Biblical Studies; nr. 2).

HeLI-based Experiments in Discriminating Between Dutch and Flemish Subtitles

Jauhiainen, T. S., Jauhiainen, H. A. & Linden, B. K. J., aug 2018, *Proceedings of the Fifth Workshop on NLP for Similar Languages, Varieties and Dialects (VarDial 2018)*. Zampieri, M., Nakov, P., Ljubešić, N., Tiedemann, J., Malmasi, S. & Ali, A. (red.). Santa Fe: The Association for Computational Linguistics, s. 137-144 8 s.

HeLI-based Experiments in Swiss German Dialect Identification

Jauhiainen, T. S., Jauhiainen, H. A. & Linden, B. K. J., aug 2018, *Proceedings of the Fifth Workshop on NLP for Similar Languages, Varieties and Dialects (VarDial 2018)*. Zampieri, M., Nakov, P., Ljubešić, N., Tiedemann, J., Malmasi, S. & Ali, A. (red.). Santa Fe: The Association for Computational Linguistics, s. 254-262 9 s.

Iterative Language Model Adaptation for Indo-Aryan Language Identification

Jauhiainen, T. S., Jauhiainen, H. A. & Linden, B. K. J., aug 2018, *Proceedings of the Fifth Workshop on NLP for Similar Languages, Varieties and Dialects (VarDial 2018)*. Zampieri, M., Nakov, P., Ljubešić, N., Tiedemann, J., Malmasi, S. & Ali, A. (red.). Santa Fe: The Association for Computational Linguistics, s. 66-75 10 s.

The Dagstuhl Perspectives Workshop on Performance Modeling and Prediction

Ferro, N., Fuhr, N., Grefenstette, G., Konstan, J. A., Castells, P., Daly, E. M., Declerck, T., Ekstrand, M. D., Geyer, W., Gonzalo, J., Kuflik, T., Lindén, K., Magnini, B., Nie, J-Y., Perego, R., Shapira, B., Soboroff, I., Tintarev, N., Verspoor, K., Willemsen, M. C. & 1 andra, Zobel, J., jun 2018, I: *SIGIR Forum*. 52, 1, s. 91-101 11 s.

Implementation of an Open Science Policy in the context of management of CLARIN language resources: a need for changes?

Kelli, A., Lindén, K., Vider, K., Labropoulou, P., Ketzan, E., Kamocki, P. & Stranák, P., 16 maj 2018, *Selected papers from the CLARIN Annual Conference 2017, Budapest, 18–20 September 2017*. Piasecki, M. (red.). Linköping: Linköping University Electronic Press, Vol. 147. s. 102-111 10 s. 009. (Linköping Electronic Conference Proceedings; nr. 147).

Tieteen kansallinen termipankki (TTP) ja tiedonlouhinnan apuneuvot

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Rethinking Summarization and Storytelling for Modern Social Multimedia

Rudinac, S., Chua, T-S., Diaz-Ferreyra, N., Friedland, G., Gornostaja, T., Huet, B., Kaptein, R., Lindén, K., Moens, M-F., Peltonen, J., Redi, M., Schedl, M., Shamma, D. A., Smeaton, A. & Xie, L., 28 jan 2018, *MultiMedia Modeling: 24th International Conference, MMM 2018, Bangkok, Thailand, February 5-7, 2018, Proceedings, Part I*. Schoeffmann, K., Chalidabhongse, T. H., Ngo, C. W., Aramvith, S., O'Connor, N. E., Ho, Y-S., Gabbouj, M. & Elgammal, A. (red.). Cham: Springer International Publishing AG, Vol. 1. s. 632-644 13 s. (LNCS; nr. 10704).

From Evaluating to Forecasting Performance: How to Turn Information Retrieval, Natural Language Processing and Recommender Systems into Predictive Sciences

Ferro, N., Fuhr, N., Grefenstette, G., Konstan, J. A., Castells, P., Daly, E. M., Declerck, T., Ekstrand, M. D., Geyer, W., Gonzalo, J., Kuflik, T., Lindén, K., Magnini, B., Nie, J-Y., Perego, R., Shapira, B., Soboroff, I., Tintarev, N., Verspoor, K., Willemsen, M. C. & 1 andra, Zobel, J., 2018, I: *Dagstuhl manifestos*. 7, 1, s. 96-139 44 s.

Keeleressursside loomise ja kasutamise seonduvaid isikuandmete kaitse küsimusi

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Rethinking Summarization and Storytelling for Modern Social Multimedia

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2017

FinnFN 1.0: The Finnish frame semantic database

Lindén, K., Haltia, H., Luukkonen, J., Laine, A., Roivainen, H. & Väisänen, N., 14 aug 2017, I: *Nordic journal of linguistics*. 40, 3, s. 1-25 25 s.

Evaluating HeLI with non-linear mappings

Jauhiainen, T. S., Linden, B. K. J. & Jauhiainen, H. A., 2017, *Fourth Workshop on NLP for Similar Languages, Varieties and Dialects - Proceedings of the Workshop*. Stroudsburg: The Association for Computational Linguistics, s. 102-108 7 s.

Evaluation of language identification methods using 285 languages

Jauhiainen, T. S., Linden, B. K. J. & Jauhiainen, H. A., 2017, *21st Nordic Conference of Computational Linguistics: Proceedings of the Conference*. Tiedemann, J. (red.). Linköping: Linköping University Electronic Press, s. 183-191 9 s. (Linköping Electronic Conference Proceedings; nr. 31).

OCR and post-correction of historical Finnish texts

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2016

FinnPos: an open-source morphological tagging and lemmatization toolkit for Finnish

Silfverberg, M., Ruokolainen, T., Linden, K. & Kurimo, M., dec 2016, I: *Language Resources and Evaluation*. 50, 4, s. 863-878 16 s.

In-Document Adaptation for a Human Guided Automatic Transcription Service

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Data-Driven Spelling Correction using Weighted Finite-State Methods

Silfverberg, M., Kauppinen, P. & Linden, K., 12 aug 2016, *The 54th Annual Meeting of the Association for Computational Linguistics: Proceedings of the SIGFSM Workshop on Statistical NLP and Weighted Automata*. Stroudsburg, PA: ACL, s. 51-59 9 s.

The strategic impact of META-NET on the regional, national and international level

Rehm, G., Uszkoreit, H., Ananiadou, S., Bel, N., Bieleveciene, A., Borin, L., Branco, A., Budin, G., Calzolari, N., Daelemans, W., Garabik, R., Grobelnik, M., Garcia-Mateo, C., van Genabith, J., Hajic, J., Hernaez, I., Judge, J., Koeva, S., Krek, S., Krstev, C. & 24 andra, Linden, K., Magnini, B., Mariani, J., McNaught, J., Melero, M., Monachini, M., Moreno, A., Odijk, J., Ogrodniczuk, M., Pezik, P., Piperidis, S., Przepiorkowski, A., Rognvaldsson, E., Rosner, M., Pedersen, B. S., Skadina, I., De Smedt, K., Tadic, M., Thompson, P., Tufis, D., Varadi, T., Vasiljevs, A., Vider, K. & Zabarskaite, J., jun 2016, I: *Language Resources and Evaluation*. 50, 2, s. 351-374 24 s.

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Mansikkaniemi, A., Kurimo, M., Lennes, M. E. & Linden, B. K. J., 23 maj 2016.

The Regulatory and Contractual Framework as an Integral Part of the CLARIN Infrastructure

Kelli, A., Vider, K. & Lindén, K., 11 apr 2016, *Selected Papers from the CLARIN Annual Conference 2015, October 14–16, 2015, Wrocław, Poland: NEALT Proceedings Series*. DeSmedt, K. (red.). Linköping: Linköping University Electronic Press, Vol. 123. s. 13-24 12 s. 002. (Linköping Electronic Conference Proceedings; vol. 123).

Digitaalsete keeleressursside loomist ja kasutamist määrav õiguslik raamistik Eestis ja selle ühildumine CLARIN-i infrastruktuuriga

Kelli, A., Vider, K., Pisuke, H. & Linden, B. K. J., 2016, I: Eesti rakenduslingvistika ühingu aastaraamat. 12, s. 81-98 18 s.

HeLI, a Word-Based Backoff Method for Language Identification

Jauhiainen, T. S., Linden, B. K. J. & Jauhiainen, H. A., 2016, *Proceedings of the Third Workshop on NLP for Similar Languages, Varieties and Dialects: VarDial3, Osaka, Japan, December 12 2016*. s. 153-162 10 s.

2015

Using HFST—Helsinki Finite-State Technology for Recognizing Semantic Frames

Lindén, K., Hardwick, S., Silfverberg, M. & Axelson, E., 9 dec 2015, *Systems and Frameworks for Computational Morphology*. Springer International Publishing AG, s. 124-136 13 s. (Communications in Computer and Information Science; vol. 537).

Regulatory and Contractual Framework as an Integral Part of CLARIN Infrastructure: the Estonian and Finnish Perspectives

Kelli, A., Vider, K. & Linden, K., okt 2015, *CLARIN Annual Conference 2015: Book of Abstracts*. De Smedt, K. (red.). Wrocław, Poland: CLARIN ERIC, s. 32-36 5 s.

Extracting Semantic Frames using hfst-pmatch

Hardwick, S., Silfverberg, M. & Linden, K., maj 2015, *Proceedings of the 20th Nordic Conference of Computational Linguistics: NODALIDA 2015*. Magyesi, B. (red.). Linköping: Linköping University Electronic Press, s. 305-308 4 s. 109:042. (Linköping Electronic Conference Proceedings).

Automated Lossless Hyper-Minimization for Morphological Analyzers

Drobac, S., Silfverberg, M. & Linden, K., 22 apr 2015, *Proceedings of the 12th International Conference on Finite-State Methods and Natural Language Processing 2015: Collected papers*. Hanneforth, T. & Wurm, C. (red.). Stroudsburg: ACL, 5 s.

The Finno-Ugric Languages and the Internet project

Jauhiainen, H., Jauhiainen, T. & Linden, K., 15 jan 2015, *First International Workshop on Computational Linguistics for Uralic Languages: Proceedings of the Workshop*. Pirinen, T., Tyers, F. & Trosterud, T. (red.). Tromsø: Septentrio Academic Publishing, Vol. 2. s. 87–98 12 s. (Septentrio Conference Series; vol. 2015, nr. 2).

Discriminating similar languages with token-based backoff

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05/06/2006 → ...
2. **FinnWordNet - A Finnish WordNet**
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3. **HFST - Helsinki Finite-State Technology**
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01/01/2005 → ...
4. **Lahjoita puhetta -kampanjan suunnittelu ja toteutus**
Jauhiainen, T., Lennes, M. & Linden, K.
01/11/2019 → ...
5. **ANEE: ANEE Team 1: Digital Humanities Approaches**
Svärd, S., Linden, K., Bach, J., Jauhiainen, T., Jauhiainen, H., Sahala, A., Konstantopoulos, G., Fink, S., Zaia, S., Luukko, M. I., Bennett, E. R., Alstola, T., Vanderstraeten, E., Autere, K., Giessler, J., Debourse, C. H. I. & Tambs, L.
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6. **ANEE: Centre of Excellence in Ancient Near Eastern Empires**
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01/01/2018 → 31/12/2025
7. **LIST: Language Identification of Speech and Text**
Jauhiainen, T. & Linden, K.
01/01/2021 → 31/12/2022
8. **Semantic Domains in Akkadian Texts**
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01/09/2016 → 31/08/2020
9. **FIN-CLARIN UPGRADE - CLARINin vahvistaminen Suomessa FIN-CLARIN UPGRADE - Förstärkning av CLARIN i Finland**
Linden, K., Lennes, M., Westerlund, H., Piitulainen, J., Niemi, J., Axelson, E., Jauhiainen, T., Drobac, S., Hardwick, S., Kauppinen, P., Voutilainen, A., Dieckmann, U., Palolahti, M., Matthesen, M. & Aalto, T.
01/01/2017 → 31/12/2019
10. **Finno-Ugric Languages and the Internet**
Linden, K., Jauhiainen, H. & Jauhiainen, T.
01/01/2013 → 31/12/2018
11. **FIN-CLARIN-INVEST2 - Yhteiskäyttöisten kielivarojen ja -teknologian kohentaminen CLARINia varten Suomessa FIN-CLARIN-INVEST2 - Uppgradering av de gemensamma språkresurserna och -teknologin för CLARIN i Finland**
Linden, K.
01/01/2015 → 28/02/2017
12. **FINNCLARIN CONTENT**
Linden, K. & Koskenniemi, K.
01/01/2011 → 31/12/2015
13. **FIN-CLARIN-INVEST - Yhteiskäyttöisten kielivarojen ja -teknologian kohentaminen CLARINia varten Suomessa FIN-CLARIN-INVEST - Uppgradering av de gemensamma språkresurserna och -teknologin för CLARIN i Finland**
Linden, K.
01/01/2014 → 31/12/2014
14. **CLARA - Common Language Resources and their Applications**
Koskenniemi, K. & Linden, K.
Unknown funder
01/12/2009 → 31/03/2014
15. **Respeaking**
Tiittula, L., Linden, K., Bacon, H., Carlson, L., Eskelinen, J., Hartama-Heinonen, R., Koponen, M., Kukkonen, P., Mikkonen, K. & Pekkilä, E. O.
Humanistinen tdk
01/02/2013 → 31/12/2013
16. **FIN-CLARIN-BUILD - CLARINin vahvistaminen Suomessa FIN-CLARIN-BUILD - etablering av CLARIN i Finland**
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14/12/2012 → 31/12/2013

17. **META-NORD: Baltic and Nordic Parts of the European Open Linguistic Infrastructure**
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EU FP7
01/02/2011 → 31/01/2013
18. **FIN-CLARIN: Finnish Language Resource Infrastructure**
Koskenniemi, K. & Linden, K.
01/01/2007 → 31/12/2012
19. **Common Language Resources and Technology Infrastructure (CLARIN)**
Koskenniemi, K., Linden, K., Oksanen, V. & Yangarber, R.
01/01/2008 → 30/06/2011

Aktiviteter

Post-doctoral mentor / Måns Huldén

Krister Linden (Post doc mentor)

12 jan 2009 → 11 dec 2011

Aktivitet: Examinationstyper › Post doctoral mentor

Examination of doctoral dissertation / Grégoire Détrez

Krister Linden (Opponent) & Bo Krister Johan Linden (Förhandsgranskare)

2016

Aktivitet: Examinationstyper › Opponent i doktorsavhandling

Exmination of doctoral dissertation / Sami Virpioja

Krister Linden (Opponent) & Bo Krister Johan Linden (Förhandsgranskare)

2012

Aktivitet: Examinationstyper › Opponent i doktorsavhandling

Examination of doctoral dissertation / Tuomo Kakkonen

Krister Linden (Förhandsgranskare)

1 sep 2007 → 15 sep 2007

Aktivitet: Examinationstyper › Förhandsgranskare av doktorsavhandling

Examination of doctoral dissertation / Vesa Siivola

Krister Linden (Förhandsgranskare)

15 maj 2007 → 31 maj 2007

Aktivitet: Examinationstyper › Förhandsgranskare av doktorsavhandling

Supervisor of doctoral thesis in Language Technology / Emily Öhman

Krister Linden (Bihandledare)

1 aug 2016 → ...

Aktivitet: Examinationstyper › Handledare eller bihandledare av doktorsavhandling

Supervisor of doctoral thesis in Language Technology / Miikka Silfverberg

Bo Krister Johan Linden (Handledare) & Anssi Yli-Jyrä (Handledare)

1 jan 2010 → 22 okt 2016

Aktivitet: Examinationstyper › Handledare eller bihandledare av doktorsavhandling

Supervisor of doctoral thesis in Language Technology / Senka Drobac

Krister Linden (Handledare)

1 jan 2012 → ...

Aktivitet: Examinationstyper › Handledare eller bihandledare av doktorsavhandling

Supervisor of doctoral thesis in Language Technology / Tommi Jauhiainen

Krister Linden (Handledare)

1 jun 2011 → ...

Aktivitet: Examinationstyper › Handledare eller bihandledare av doktorsavhandling

Supervisor of doctoral thesis in Language Technology / Tommi Pirinen

Krister Linden (Handledare)

1 jan 2010 → 2 dec 2014

Aktivitet: Examinationstyper › Handledare eller bihandledare av doktorsavhandling

Cabinet of Commissioner Leonard Orban at the European Commission (Extern organisation)

Krister Linden (Expert)

1 apr 2008 → 31 mar 2009

Aktivitet: Medlemskapstyper › Medlemskap eller annan roll i inhemskt/internationellt offentligt organ

Nordiska Ministerrådet (Extern organisation)

Krister Linden (Expert)

1 jan 2006 → 31 dec 2006

Aktivitet: Medlemskapstyper › Medlemskap eller annan roll i inhemskt/internationellt offentligt organ

CLARIN - Common Language Resources and Technology Infrastructure (Extern organisation)

Krister Linden (Styrelsemedlem)

1 jan 2010 → 31 dec 2011

Aktivitet: Medlemskapstyper › Medlemskap eller annan role i inhemsk/internationell kommitté, råd, styrelse

ESF - European Science Foundation (Extern organisation)

Krister Linden (Expert)

24 maj 2011 → 23 maj 2015

Aktivitet: Medlemskapstyper › Medlemskap eller annan role i inhemsk/internationell kommitté, råd, styrelse

HAKA - Identity federation of the Finnish universities, polytechnics and research institutions (Extern organisation)

Krister Linden (Styrelsemedlem)

2012 → 2013

Aktivitet: Medlemskapstyper › Medlemskap eller annan role i inhemsk/internationell kommitté, råd, styrelse

KIT Language Technology Graduate School of Finland (Extern organisation)

Krister Linden (Expert)

1 jan 2001 → 31 dec 2005

Aktivitet: Medlemskapstyper › Medlemskap eller annan role i inhemsk/internationell kommitté, råd, styrelse

Langnet (Extern organisation)

Krister Linden (Styrelsemedlem)

1 jan 2012 → 31 dec 2015

Aktivitet: Medlemskapstyper › Medlemskap eller annan role i inhemsk/internationell kommitté, råd, styrelse

Lantern - Language Technology Research Network (Extern organisation)

Krister Linden (Sekreterare)

1 jan 2005 → 31 dec 2007

Aktivitet: Medlemskapstyper › Medlemskap eller annan role i inhemsk/internationell kommitté, råd, styrelse

META-TRUST (Extern organisation)

Krister Linden (Styrelsemedlem)

12 sep 2012 → 31 jan 2017

Aktivitet: Medlemskapstyper › Medlemskap eller annan role i inhemsk/internationell kommitté, råd, styrelse

NYKYKIELET 2010-2017 (Organisation)

Krister Linden (Styrelsemedlem)

1 jan 2014 → 31 dec 2017

Aktivitet: Medlemskapstyper › Medlemskap eller annan role i inhemsk/internationell kommitté, råd, styrelse

Northern European Association for Language Technology (Extern organisation)

Krister Linden (Ordförande)

1 jan 2010 → 31 dec 2013

Aktivitet: Medlemskapstyper › Medlemskap eller annan role i inhemsk/internationell kommitté, råd, styrelse

Northern European Association for Language Technology (Extern organisation)

Krister Linden (Expert)

1 jan 2014 → 31 dec 2017

Aktivitet: Medlemskapstyper › Medlemskap eller annan role i inhemsk/internationell kommitté, råd, styrelse

Global Wordnet Association (Extern organisation)

Krister Linden (Medlem)

2012 → ...

Aktivitet: Medlemskapstyper › Medlemskap eller annan roll i forskningsnätverk

NEALT - North European Association for Language Technology (Extern organisation)

Krister Linden (Medlem)

2009 → ...

Aktivitet: Medlemskapstyper › Medlemskap eller annan roll i forskningsnätverk

Institutionen för moderna språk (Organisation)

Krister Linden (Assessment)

2014

Aktivitet: Medlemskapstyper › Utlåtanden vid tillsättning