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Kvalifikationer

Forskningsledare (Principal Investigator)

Tidsperiod : 01.06.2010 - 31.12.2017 i

Forskningsledare (Principal Investigator)

Tidsperiod : 15.05.2018 - 31.12.2025 i Avdelningen för digital humaniora

Anställning

forskningsdirektör

Avdelningen för digital humaniora

Helsingfors universitet

Finland

1 jan. 2018 → present

Titeln docent

Fakultetens gemensamma (Humanistiska fakulteten)

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

2024

Applications and Related Tasks

Jauhiainen, T., Zampieri, M., Baldwin, T. & Linden, K., 2 jan. 2024, I: Synthesis Lectures on Human Language Technologies. s. 137-145

Conclusion and Future Directions

Jauhiainen, T., Zampieri, M., Baldwin, T. & Linden, K., 2 jan. 2024, I: Synthesis Lectures on Human Language Technologies. s. 147-148

Evaluation and Measurement

Jauhiainen, T., Zampieri, M., Baldwin, T. & Linden, K., 2 jan. 2024, I: Synthesis Lectures on Human Language Technologies. s. 65-97

Features and Methods

Jauhiainen, T., Zampieri, M., Baldwin, T. & Linden, K., 2 jan. 2024, I: Synthesis Lectures on Human Language Technologies. s. 19-63

Large Scale, Multi-domain Language Identification

Jauhiainen, T., Zampieri, M., Baldwin, T. & Linden, K., 2 jan. 2024, I: *Synthesis Lectures on Human Language Technologies*. s. 117-135

Specific Challenges of Variation and Text Types

Jauhiainen, T., Zampieri, M., Baldwin, T. & Linden, K., 2 jan. 2024, I: *Synthesis Lectures on Human Language Technologies*. s. 99-115

Automatic Language Identification in Texts

Jauhiainen, T., Zampieri, M., Baldwin, T. C. & Linden, K., jan. 2024, Cham: Springer. 148 s. (*Synthesis Lectures on Human Language Technologies*)

Introduction to Language Identification

Jauhiainen, T., Zampieri, M., Baldwin, T. & Linden, K., jan. 2024, I: *Synthesis Lectures on Human Language Technologies*.

2023

CLARIN Annual Conference Proceedings 2023

Linden, K. (red.), Niemi, J. (red.) & Kontino, T. (red.), 10 dec. 2023, Leuven: CLARIN ERIC. 185 s. (*CLARIN Annual Conference Proceedings*)

Sharing the Finnish Dark Web Marketplace Corpus (FINDarC)

Lindén, K., Ruokolainen, T., Hämäläinen, L. & Harviainen, J. T., 10 dec. 2023, *CLARIN Annual Conference Proceedings*. Lindén, K., Niemi, J. & Kontino, T. (red.). Leuven: CLARIN ERIC, s. 134-139 6 s. (*CLARIN Annual Conference Proceedings*).

Tuning HeLI-OTS for Guarani-Spanish Code Switching Analysis

Jauhiainen, T., Jauhiainen, H. & Linden, K., okt. 2023, *Proceedings of the Iberian Languages Evaluation Forum (IberLEF 2023)*. Montes-y-Gómez, M., Rangel, F. & Jiménez-Zafra, et al., S. M. (red.). Aachen: CEUR-WS.org, 12 s. (*CEUR Workshop Proceedings*; vol. 3496).

BabyLemmatizer 2.0 – A Neural Pipeline for POS-tagging and Lemmatizing Cuneiform Languages

Sahala, A. & Linden, K., sep. 2023, *Proceedings of the Ancient Language Processing Workshop associated with The 14th International Conference on Recent Advances in Natural Language Processing, RANLP 2023*. Anderson, A., Gordin, S., Li, B., Liu, Y. & Passarotti, M. C. (red.). Shoumen: INCOMA, s. 203-212 10 s.

The CLARIN infrastructure as an interoperable language technology platform for SSH and beyond

Branco, A., Eskevich, M., Frontini, F., Hajič, J., Hinrichs, E., Jong, F. D., Kamocki, P., König, A., Lindén, K., Navarretta, C., Piasecki, M., Piperidis, S., Pitkänen, O., Simov, K., Skadiņa, I., Trippel, T., Witt, A. & Zinn, C., 12 juni 2023, I: *Language Resources and Evaluation*. 32 s.

EU Data Governance Act: Outlining a Potential Role for CLARIN

Kamocki, P., Linden, K., Puksas, A. & Kelli, A., 9 juni 2023, *Selected papers from the CLARIN Annual Conference 2022*. Erjavec, T. & Eskevich, M. (red.). Utrecht: CLARIN ERIC, s. 57-65 9 s. (*Linköping Electronic Conference Proceedings*; nr. 198).

The Pipeline for Publishing Resources in the Language Bank of Finland

Dieckmann, U., Lennes, M., Piitulainen, J., Niemi, J., Axelson, E., Jauhiainen, T. & Linden, K., 9 juni 2023, *Selected Papers from the CLARIN Annual Conference 2022*. Erjavec, T. & Eskevich, M. (red.). Linköping: Linköping University Electronic Press, s. 33-43 11 s. (*Linköping Electronic Conference Proceedings*; nr. 198).

FinnSentiment: A Finnish Social Media Corpus for Sentiment Polarity Annotation

Linden, K., Jauhiainen, T. & Hardwick, S., juni 2023, I: *Language Resources and Evaluation*. 57, 2, s. 581-609 29 s.

Ethically Archiving a Hard-to-Access Massive Research Data Set in the Language Bank of Finland: The Finnish Dark Web Marketplace Corpus (FINDarC)

Lindén, K., Ruokolainen, T., Hämäläinen, L. & Harviainen, J. T., 2023, *Proceedings of the Conference on Technology Ethics 2023 - Tethics 2023*. Rantanen, M. M., Westerstrand, S., Sahlgren, O. & Koskinen, J. (red.). Aachen: CEUR-WS.org, s. 114-131 18 s. (CEUR Workshop Proceedings; vol. 3582).

HFST Training Environment and Recent Additions

Axelson, E., Hardwick, S. & Linden, K., 2023, *Rule-Based Language Technology*. Hurskainen, A., Koskeniemi, K. & T. P. (red.). Tartu: Northern European Association for Language Technology, s. 60-69 10 s. (NEALT Monograph Series; nr. 2[1]).

Language Report Finnish

Lindén, K. & Dyster, W., 2023, *European Language Equality: A Strategic Agenda for Digital Language Equality*. Rehm, G. & Way, A. (red.). Cham: Springer International Publishing, s. 135-138 4 s. (The Cognitive Technologies).

Lemmatizing and POS-tagging Akkadian with BabyLemmatizer and Dictionary-Based Post-Correction

Sahala, A., Alstola, T., Valk, J. & Linden, K., 2023, *Selected papers from the CLARIN Annual Conference 2022*. Erjavec, T. & Eskevich, M. (red.). Utrecht: CLARIN ERIC, s. 111-119 9 s. (Linköping Electronic Conference Proceedings; vol. 198).

New data, benchmark and baseline for L2 speaking assessment for low-resource languages

Kurimo, M., Getman, Y., Voskoboinik, E., Al-Ghezi, R., Kallio, H., Kuronen, M., von Zansen, A., Hilden, R., Kronholm, S., Huhta, A. & Linden, K., 2023, *Proceedings of 9th Workshop on Speech and Language Technology in Education (SLaTE)*. Baixas: ISCA - International Speech Communication Association, s. 166-170 5 s. (ISCA International Workshop on Speech and Language Technology in Education).

2022

Optimizing Naive Bayes for Arabic Dialect Identification

Jauhiainen, T., Jauhiainen, H. & Linden, K., 8 dec. 2022, *Proceedings of the Seventh Arabic Natural Processing Workshop*. Bouamor, et al., H. (red.). Stroudsburg: The Association for Computational Linguistics, s. 409-414 6 s.

The CLARIN Committee for Legal and Ethical Issues and the Normative Layer of the CLARIN Infrastructure: Ville Oksanen, in memoriam (26 december 1976-23 november 2014)

Kamocki, P., Kelli, A. & Lindén, K., 24 okt. 2022, *CLARIN: The Infrastructure for Language Resources*. Fišer, D. & Witt, A. (red.). Berlin: de Gruyter, s. 457-479 23 s. (Digital Linguistics; vol. 1).

Italian Language and Dialect Identification and Regional French Variety Detection using Adaptive Naive Bayes

Jauhiainen, T., Jauhiainen, H. & Lindén, K., 12 okt. 2022, *Proceedings of the Ninth Workshop on NLP for Similar Languages, Varieties and Dialects: The 29th International Conference on Computational Linguistics*. Scherrer, Y., Jauhiainen, T., Ljubešić, N., Nakov, P., Tiedemann, J. & Zampieri, M. (red.). Gyeongju: COLING, s. 119-129 11 s. (International conference on computational linguistics; vol. 29, nr. 19).

Language Identification as part of the Text Corpus Creation Pipeline at the Language Bank of Finland

Jauhiainen, T., Piitulainen, J., Axelson, E. & Linden, K., 6 okt. 2022, *Proceedings of the 6th Digital Humanities in the Nordic and Baltic Countries Conference (DHNB 2022)*. Berglund, K., La Mela, M. & Zwart, I. (red.). Aachen: CEUR, s. 251-259 9 s. (CEUR Workshop Proceedings; vol. 3232).

Donate Speech: Collecting and Sharing a Large-Scale Speech Database for Social Sciences, Humanities and Artificial Intelligence Research and Innovation

Lindén, K., Jauhiainen, T., Lennes, M., Kurimo, M., Rossi, A., Kurki, T. & Pitkänen, O., okt. 2022, *CLARIN: The Infrastructure for Language Resources*. Fišer, D. & Witt, A. (red.). Berlin: de Gruyter, s. 481-510 30 s. (Digital Linguistics; vol. 1).

Digital Approaches to Analyzing and Translating Emotion: What Is Love?

Alstola, T., Jauhiainen, H., Svärd, S., Sahala, A. & Linden, K., 30 aug. 2022, *The Routledge Handbook of Emotions in the Ancient Near East*. Sonik, K. & Steinert, U. (red.). London: Routledge, s. 88–116 29 s.

Donera prat för AI-utveckling till Språkbanken i Finland

Linden, K., Lennes, M., Jauhiainen, T., Kurimo, M. & Rossi, A., 18 aug. 2022, I: *Språk i Norden*. 52, 1, s. 35-50 16 s., 132412.

Lahjoita puhetta: a large-scale corpus of spoken Finnish with some benchmarks

Moisió, A., Porjazovski, D., Rouhe, A., Getman, Y., Virkkunen, A., AlGhezi, R., Lennes, M., Grósz, T., Lindén, K. & Kurimo, M., 9 aug. 2022, I: *Language Resources and Evaluation*. 57, s. 1295–1327 33 s.

Legal Issues Related to the Use of Twitter Data in Language Research

Kamocki, P., Hanneschläger, V., Hoorn, E., Kelli, A., Kupietz, M., Linden, K. & Puksas, A., 8 juli 2022, *Selected papers from the CLARIN Annual Conference 2021*. Monachini, M. & Eskevich, M. (red.). Linköping: Linköping University Electronic Press, s. 68-75 8 s. (Linköping Electronic Conference Proceedings ; vol. 89).

The Interaction of Personal Data, Intellectual Property and Freedom of Expression in the Context of Language Research

Kelli, A., Linden, K., Kamocki, P., Vider, K., Labropoulou, P., Birštonas, R., Mantrov, V., Hanneschläger, V., Del Gratta, R., Värvi, A., Tavits, G., Vutt, A., Hoorn, E., Hajic, J. & Language, I., 8 juli 2022, *Selected papers from the CLARIN Annual Conference 2021*. Monachini, M. & Eskevich, M. (red.). Linköping: Linköping University Electronic Press, s. 76-87 12 s. (Linköping Electronic Conference Proceedings; vol. 189).

Building a Chatbot: Challenges under Copyright and Data Protection Law

Kelli, A., Tavast, A. & Lindén, K., 30 juni 2022, *Contracting and Contract Law in the Age of Artificial Intelligence*. Ebers, M., Poncibò, C. & Zou, M. (red.). Oxford: Hart publishing, s. 115-134 20 s.

Report on the Finnish Language

Linden, K. & Dyster, W., 28 feb. 2022, *European Language Equality: Language Technology Support of Europe's Languages in 2020/2021*. Giakou, M., Piperidis, S., Rehm, G. & Dunne, J. (red.). Dublin: ELE Consortium, 24 s.

BabyLemmatizer: A Lemmatizer and POS-tagger for Akkadian

Sahala, A., Alstola, T., Valk, J. & Linden, K., 2022, *CLARIN Annual Conference Proceedings, 2022*. Erjavec, T. & Eskevich, M. (red.). Utrecht: CLARIN ERIC, s. 14–18 5 s. (CLARIN Annual Conference Proceedings).

EU Data Governance Act: New Opportunities and New Challenges for CLARIN

Kamocki, P. & Linden, K., 2022, *CLARIN Annual Conference Proceedings, 2022*. Erjavec, T. & Eskevich, M. (red.). Utrecht: CLARIN ERIC, s. 44-47 4 s. (CLARIN Annual Conference Proceedings).

HeLI-OTS, Off-the-shelf Language Identifier for Text

Jauhiainen, T., Jauhiainen, H. & Lindén, K., 2022, *Proceedings of the 13th Conference on Language Resources and Evaluation (LREC 2022)*. Calzolari, N., Béchet, F. & Blache, et al., P. (red.). Paris: European Language Resources Association (ELRA), s. 3912-3922 11 s.

Language diversity in the newspaper and periodical corpus of the National Library of Finland

Jauhiainen, T., Piitulainen, J., Axelson, E. & Linden, K., 2022.

Optimizing Naive Bayes for Arabic Dialect Identification

Jauhiainen, T., Jauhiainen, H. & Linden, K., 2022.

The Resource Publishing Pipeline of the Language Bank of Finland

Dieckmann, U., Lennes, M., Piitulainen, J., Niemi, J., Axelson, E., Jauhiainen, T. & Linden, K., 2022, *CLARIN Annual Conference Proceedings, 2022*. Erjavec, T. & Eskevich, M. (red.). Utrecht: CLARIN ERIC, s. 53-56 4 s. (CLARIN Annual Conference Proceedings).

2021

A multilingual net of lexical resources

Lindén, K., Niemi, J., Borin, G., Forsberg, M., Sanford Pedersen, B., Nimb, S., Orav, H., Kahusk, N. & Vider, K., 15 nov. 2021, *The Swedish FrameNet++: Harmonization, integration, method development and practical language technology applications*. Dannélls, D., Borin, L. & Heppin, K. F. (red.). Amsterdam: John Benjamins, s. 123-137 15 s. (Natural Language Processing; vol. 14).

Legal issues related to the use of Twitter data in language research

Kamocki, P., Hanneschläger, V., Hoorn, E., Kelli, A., Kupietz, M., Lindén, K. & Puksas, A., 27 sep. 2021, *CLARIN Annual Conference Proceedings 2021*. Monachini, M. & Eskevich, M. (red.). Utrecht: CLARIN ERIC, s. 150-153 4 s. (CLARIN Annual Conference Proceedings).

The interplay of legal regimes of personal data, intellectual property and freedom of expression in language research

Kelli, A., Lindén, K., Kamocki, P., Vider, K., Labropoulou, P., Birštonas, R., Mantrov, V., Hanneschläger, V., Del Gratta, R., Värvi, A., Tavits, G. & Vutt, A., 27 sep. 2021, *Proceedings of CLARIN Annual Conference 2021*. Monachini, M. & Eskevich, M. (red.). Utrecht: CLARIN ERIC, s. 154-159 6 s. (CLARIN Annual Conference).

Sharing is caring: a legal perspective on sharing language data containing personal data and the division of liability between researchers and research organisations

Kelli, A., Lindén, K., Vider, K., Kamocki, P., Tavast, A., Birštonas, R., Tavits, G., Keskküla, M., Labropoulou, P., Kull, I., Värvi, A., Erikson, M., Vutt, A. & Calamai, S., 22 juni 2021, *Selected Papers from the CLARIN Annual Conference 2020: Virtual Event, 2020, 5-7 October*. Navarretta, C. & Eskevich, M. (red.). Linköping: Linköping University Electronic Press, s. 129-147 19 s. (Linköping Electronic Conference Proceedings; nr. 180).

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).

Isikuandmeid sisaldavate keeleandmete jagamisega seonduv õiguslik raamistik: Teadlase ja teadusasutuse kohustused ning vastutus

Kelli, A., Vider, K., Tavast, A., Lindén, K., Kamocki, P., Birštonas, R., Labropoulou, P., Calamai, S., Tavits, G., Keskküla, M., Kull, I., Erikson, M., Ginter, C., Värvi, A. & Vutt, A., 2021, I: *Eesti Rakenduslingvistika Uhingu Aastaraamat*. 17, s. 99-121 23 s.

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*. Hämmäläinen, M., Partanen, N. & Alnajjar, K. (red.). Helsinki: University of Helsinki

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 juli 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 juli 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. 3528-3534 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 andraAnastasiou, D., Auksoiriütè, A., Bel, N., Branco, A., Budin, G., Daelemans, W., De Smedt, K., Garabik, R., Gavriilidou, M., Gromann, D., Koeva, S., Krek, S., Krstev, C., Lindén, K., Magnini, B., Odijk, J., Ogrodniczuk, M., Rognvaldsson, 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., mars 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.

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2008

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2007

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2005

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2002

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1997

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1987

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Projekt

1. **FIN-CLARIN - Kielipankki**
Linden, K., Piitulainen, J., Niemi, J., Lennes, M., Bartis, I., Westerlund, H., Drobac, S., Axelson, E. & Kauppinen, P.
05/06/2006 → ...
2. **FinnWordNet - A Finnish WordNet**
Linden, K., Niemi, J., Hyvärinen, M., Muhonen, K. & Pääkkö, P.
01/01/2010 → ...
3. **HFST - Helsinki Finite-State Technology**
Linden, K., Koskenniemi, K., Yli-Jyrä, A., Hulden, M., Silfverberg, M., Pirinen, T., Axelson, E., Hardwick, S., Niemi, J. & Hurskainen, A.
01/01/2005 → ...
4. **Lahjoita puhetta -kampanjan suunnittelu ja toteutus**
Jauhiainen, T., Lennes, M., Linden, K. & Dyster, W.
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., Tams, L., Valk, J., Uotila, R. & Jones, C. W.
01/01/2018 → 31/12/2025
6. **ANEE: Centre of Excellence in Ancient Near Eastern Empires**
Silverman, J. M., Svärd, S., Lahelma, A., Nikki, N., Töyräänvuori, J., Jokiranta, J., Laine, L., Kletter, R., Bonnie, R., Thomas, S., Holmqvist-Sipilä, E., Kouki, P., Wasmuth, M., Wallis, C., Lorenzon, M., Jauhiainen, H., Jauhiainen, T., Alstola, T., Bach, J., Fink, S., Konstantopoulos, G., Zaia, S., Sahala, A., Miettunen, P. H., Avneri Meir, R., Aissaoui, A. I., Arpe, O. P., Luukko, M. I., Kovanen, H., Linden, K., Bennett, E. R., Saari, S., Vanderstraeten, E., Autere, K., Debourse, C. H. I., Kailamäki, U., Kautonen, S. K., Spunaugle, A., Tams, L., Jones, C. W., Wijnsma, U. Z., Valk, J., Gheorghide, P., Autere, K., Uotila, R., Reinikainen, S. J. J., Cutillas Victoria, B., Holappa, M., Kletter, R., Smith, S. L. & Pfoh, E.
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**
Linden, K., Alstola, T., Jauhiainen, H., Jauhiainen, T., Sahala, A., Svärd, S. & Zaia, S.
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., Matthiesen, 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**
Linden, K.
14/12/2012 → 31/12/2013
17. **META-NORD: Baltic and Nordic Parts of the European Open Linguistic Infrastructure**
Linden, K., Koskenniemi, K. & Bartis, I.
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

Contributions to Computational Assyriology / Aleksii Sahala

Krister Linden (Handledare) & Saana Svärd (Handledare)

1 jan. 2017 → 31 aug. 2021

Aktivitet: Examinationstyper › Handledare eller bihandledare av doktorsavhandling

PhD supervision of Rosa Suviranta

Tuomo Hiippala (Handledare) & Krister Linden (Bihandledare)

2022 → ...

Aktivitet: Examinationstyper › Handledare eller bihandledare 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 juni 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 mars 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

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

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

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