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Phonetics and Speech Synthesis
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Employment

Visiting scholar

Department of Digital Humanities
University of Helsinki
Finland
3 Apr 2024 → 3 Jul 2025

Phonetics and Speech Synthesis

University of Helsinki
HELSINGIN YLIOPISTO, Finland
1 Jan 2017 → present

Research outputs

North Sámi Dialect Identification with Self-supervised Speech Models

Kakouros, S. & Hiovain-Asikainen, K., Aug 2023, *Proceedings of the 24th INTERSPEECH Conference*. Baixas: ISCA - International Speech Communication Association, p. 5306-5310 5 p. (Interspeech).

Prosodic change and majority language influence in spoken North Sámi varieties

Hiovain-Asikainen, K., 2023, Helsinki: Helsingin yliopisto.

The bouba/kiki effect is robust across cultures and writing systems

Cwiek, A., Fuchs, S., Draxler, C., Asu, E. L., Dediu, D., Hiovain, K., Kawahara, S., Koutalidis, S., Krifka, M., Lippus, P., Lupyan, G., Oh, G. E., Paul, J., Petrone, C., Ridouane, R., Reiter, S., Schumchen, N., Szalontai, A., Unal-Logacev, O. & Zeller, J. & 2 others, Perlman, M. & Winter, B., 3 Jan 2022, In: *Philosophical Transactions of the Royal Society. Biological Sciences*. 377, 1841, 13 p.

Comparative analysis of majority language influence on North Sámi prosody using WaveNet-based modeling

Hiovain, K., Suni, A., Kakouros, S. & Šimko, J., 2022, In: *Language and Speech*. 65, 4, p. 859-888 30 p., 0023830920983591.

Novel vocalizations are understood across cultures

Ćwiek, A., Fuchs, S., Draxler, C., Asu, E. L., Dediu, D., Hiovain, K., Kawahara, S., Koutalidis, S., Krifka, M., Lippus, P., Lupyan, G., Oh, G. E., Paul, J., Petrone, C., Ridouane, R., Reiter, S., Schümchen, N., Szalontai, Á., Ünal-Logacev, Ö. & Zeller, J. & 2 others, Winter, B. & Perlman, M., 12 May 2021, In: *Scientific Reports*. 11, 1, 12 p., 10108.

The phonetic realization of quantity in North Sámi disyllabics

Hiovain, K. & Šimko, J., 18 Feb 2021, (Submitted) In: *Journal of Phonetics*.

The role of duration and pitch in signaling quantity in Finnmark North Sámi

Hiovain, K., Asikainen, A. & Šimko, J., 25 May 2020, *Proceedings of 10th International Conference on Speech Prosody 2020, Tokyo, Japan*. Baixas: ISCA, p. 71-75 5 p. (Speech prosody).

Dialectal variation of duration patterns in Finnmark North Sámi quantity

Hiovain, K., Šimko, J. & Vainio, M., Apr 2020, In: *Journal of the Acoustical Society of America*. 147, 4, p. 2817–2828 12 p.

Dialect Identification of Spoken North Sámi Language Varieties Using Prosodic Features

Kakouros, S., Hiovain, K., Vainio, M. & Šimko, J., 2020, *Proceedings of 10th International Conference on Speech Prosody 2020: Communicative and Interactive Prosody*. Baixas: ISCA, p. 625-629 5 p. (Speech prosody).

Reproduction of Estonian Quantity Patterns by Non-Native Speakers

Polsterer, K. & Hiovain, K., 2020, In: *Grazer Linguistische Studien*. 92, p. 45-84 40 p.

Duration Patterns in Finnmark North Sámi Quantity

Hiovain, K. & Šimko, J., 2019, *Proceedings of the 19th International Congress of Phonetic Sciences, Melbourne, Australia 2019*. Calhoun, S., Escudero, P., Tabain, M. & Warren, P. (eds.). Canberra: Australasian Speech Science and Technology Association Inc., p. 1560-1564 5 p.

Comparing North Sámi dialectal variability using hierarchical modeling of prosody

Hiovain, K., Simko, J., Suni, A. S. & Vainio, M. T., Oct 2018.

Mumbling through a wall: Clustering Slavic dialects using hierarchical statistical modeling of prosody

Simko, J., von Waldenfels, R., Daniel, M., Dobrushina, N., Rabus, A., Suni, A. S., Hiovain, K. & Vainio, M. T., Oct 2018.

Mapping areal variation and majority language influence in North Sámi using hierarchical prosodic analysis

Hiovain, K., Suni, A. S., Simko, J. & Vainio, M. T., 16 Jun 2018, *Proceedings of the 9th International Conference on Speech Prosody 2018*. Klessa, K., Bachan, J., Wagner, A., Karpiński, M. & Śledziński, D. (eds.). International Speech Communications Association, p. 577-581 5 p. (SProSIG).

Comparing languages using hierarchical prosodic analysis

Simko, J., Suni, A., Hiovain, K. & Vainio, M., 2017, *Proceedings of Interspeech 2017, Stockholm, Sweden*. Baixas: ISCA, p. 1213-1217 5 p. (Interspeech).

Acoustic Features of Different Types of Laughter in North Sami Conversational Speech

Hiovain, K. & Jokinen, P. K., 2016, *Proceedings of the LREC Workshop Just talking – casual talk among humans and machines, Portorož, Slovenia, 2016*. Calzolari, N., Choukri, K., Declerck, T., Goggi, S., Grobelnik, M., Maegaard, B., Mariani, J., Mazo, H., Moreno, A., Odijk, J. & Piperidis, S. (eds.). Portorož: European Language Resources Association (ELRA), p. 16-20 5 p.

DigiSami and Digital Natives: Interaction Technology for the North Sami Language

Jokinen, K., Hiovain, K., Laxström, N., Rauhala, I. & Wilcock, G., 2016, *Dialogues with Social Robots: Enablements, Analyses, and Evaluation*. Jokinen, K. & Wilcock, G. (eds.). Singapore: Springer, p. 3-19 17 p. (Lecture Notes in Electrical Engineering; no. 427).

Low-Resource Active Learning of Morphological Segmentation

Grönroos, S.-A., Hiovain, K., Smit, P., Rauhala, I. E., Jokinen, P. K., Kurimo, M. & Virpioja, S. P., 2016, In: *Northern European Journal of Language Technology*. 4, p. 47-72 26 p., 4.

Low-Resource Active Learning of North Sámi Morphological Segmentation

Grönroos, S.-A., Jokinen, K., Hiovain, K., Kurimo, M. & Virpioja, S., 2015, *International Workshop on Computational Linguistics for Uralic Languages*.

Activities

Kielentutkimuksen tohtorikoulutusverkosto Langnetin Joulukoulu 2020

Hiovain, K. (Attendee)

16 Dec 2020 → 17 Dec 2020

Langnetin joulukoulu

Hiovain, K. (Speaker)

16 Dec 2020 → 17 Dec 2020

the International Congress of Phonetic Sciences ICPHS 2019

Hiovain, K. (Speaker: Presenter)

5 Aug 2019 → 9 Aug 2019

Kielentutkimuksen tohtorihjelman (HELSLANG) kesäkonferenssi

Hiovain, K. (Attendee)

27 May 2019

Digihum development day

Hiovain, K. (Participant)

29 Mar 2019

Fonetiikan päivät 2019

Hiovain, K. (Speaker)

22 Mar 2019

3rd Workshop on Uralic Prosody

Hiovain, K. (Speaker)

21 Mar 2019

Research assessment panel

Hiovain, K. (Participant)

13 Mar 2019

Kielten kandiohjelman opetuksen digiloikka -hankkeen MOOC-suunnittelutyöpaja

Lennes, M. (Chair of organizing committee), Toivola, M. (Attendee), Kittilä, S. T. (Attendee), ランシサルミリーツカ (リイツカ) (Attendee), Vainio, M. T. (Attendee), Virkkunen, P. J. (Attendee), Hiovain, K. (Attendee), Haavisto, A. R. (Attendee), Kallunki, V. A. J. (Member of organizing committee) & Pernaa, J. I. S. (Speaker: Presenter)

7 Nov 2018

Experimental and Theoretical Advances in Prosody (ETAP) 4: Sociolectal and dialectal variability in prosody

Hiovain, K. (Speaker)

11 Oct 2018 → 13 Oct 2018

6th Estonian Digital Humanities Conference

Hiovain, K. (Speaker: Presenter)

27 Sept 2018

Sámi University of Applied Sciences

Hiovain, K. (Visiting researcher)

17 Sept 2018 → 21 Sept 2018

Tarton yliopisto

Hiovain, K. (Visiting researcher)

15 Sept 2018 → 15 Oct 2018

Speech prosody 2018

Hiovain, K. (Poster Presentation)

13 Jun 2018 → 16 Jun 2018

Kielentutkimuksen tohtorihjelman (HELSLANG) kesäkonferenssi

Hiovain, K. (Speaker)

24 May 2018 → 25 May 2018

XLV Kielitieteen päivät / XLV Språkvetenskapsdagarna / XLV Finnish Conference of Linguistics

Hiovain, K. (Speaker: Presenter)

7 May 2018 → 9 May 2018

Suullinen seminaariesitelmä

Hiovain, K. (Speaker)

27 Apr 2018

Second workshop on Uralic prosody

Hiovain, K. (Speaker: Presenter)

28 Sept 2017 → 29 Sept 2017

Interspeech 2017

Hiovain, K. (Attendee)

20 Aug 2017 → 24 Aug 2017

Second International Workshop on the HISTORY OF SPEECH COMMUNICATION RESEARCH — HSCR 2017

Hiovain, K. (Member of organizing committee)

18 Aug 2017 → 19 Aug 2017

Seventh International Workshop on Spoken Dialogue System (IWSDS 2016)

Hiovain, K. (Member of organizing committee) & Hiovain, K. (Speaker: Presenter)

12 Jan 2016 → 17 Jan 2016

The Second International Winter School in Finno-Ugric Studies in Szeged

Hiovain, K. (Attendee)

19 Jan 2014 → 1 Feb 2014

Prizes

Pro gradu -tutkielmapalkinto

Hiovain, K. (Recipient), 2017

Press/Media

Saamenkielinen haastattelu Yle Sápmissa liittyen väitöstutkimukseen

Hiovain, K.

25/01/2018

1 item of Media coverage