

Katri Hiovain  
gästforskare  
Phonetics and Speech Synthesis  
Avdelningen för digital humaniora  
E-post: katri.hiovain@helsinki.fi



## Anställning

Phonetics and Speech Synthesis  
Helsingfors universitet  
HELSINGIN YLIOPISTO, Finland  
1 jan. 2017 → present

## gästforskare

Avdelningen för digital humaniora  
Helsingfors universitet  
Finland  
3 apr. 2024 → 3 juli 2025

## Forskningsoutput

### 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 , s. 5306-5310 5 s. (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., Dedić, 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., Ünal-Logacev, Ö. & Zeller, J. och 2 andra, Perlman, M. & Winter, B., 3 jan. 2022, I: *Philosophical Transactions of the Royal Society. Biological Sciences*. 377, 1841, 13 s.

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

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

### Novel vocalizations are understood across cultures

Ćwiek, A., Fuchs, S., Draxler, C., Asu, E. L., Dedić, 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. och 2 andra, Winter, B. & Perlman, M., 12 maj 2021, I: *Scientific Reports*. 11, 1, 12 s., 10108.

### The phonetic realization of quantity in North Sámi disyllabics

Hiovain, K. & Šimko, J., 18 feb. 2021, (Insänt) I: *Journal of Phonetics*.

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

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

### Dialectal variation of duration patterns in Finnmark North Sámi quantity

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

### **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, s. 625-629 5 s. (Speech prosody).

### **Reproduction of Estonian Quantity Patterns by Non-Native Speakers**

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

### **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. (red.). Canberra: Australasian Speech Science and Technology Association Inc., s. 1560-1564 5 s.

### **Comparing North Sámi dialectal variability using hierarchical modeling of prosody**

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

### **Comparing languages using hierarchical prosodic analysis**

Simko, J., Suni, A., Hiovain, K. & Vainio, M., 2017, *Proceedings of Interspeech 2017, Stockholm, Sweden*. Baixas: ISCA, s. 1213-1217 5 s. (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. (red.). Portorož: European Language Resources Association (ELRA), s. 16-20 5 s.

### **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. (red.). Singapore: Springer , s. 3-19 17 s. (Lecture Notes in Electrical Engineering; nr. 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, I: *Northern European Journal of Language Technology*. 4, s. 47-72 26 s., 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*.

## **Aktiviteter**

### **Kielentutkimuksen tohtorikoulutusverkosto Langnetin Joulukoulu 2020**

Hiovain, K. (Närvarande)

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. (Talare: Presentation)

5 aug. 2019 → 9 aug. 2019

**Kielentutkimuksen tohtoriohjelman (HELSLANG) kesäkonferenssi**

Hiovain, K. (Närvarande)

27 maj 2019

**Digihum development day**

Hiovain, K. (Deltagare)

29 mars 2019

**Fonetikan päivät 2019**

Hiovain, K. (!!Speaker)

22 mars 2019

**3rd Workshop on Uralic Prosody**

Hiovain, K. (!!Speaker)

21 mars 2019

**Research assessment panel**

Hiovain, K. (Deltagare)

13 mars 2019

**Kielten kandiohjelman opetuksen digiloikka -hankkeen MOOC-suunnittelutyöpaja**Lennes, M. (Ordförande i organisationskommitté), Toivola, M. (Närvarande), Kittilä, S. T. (Närvarande), ランシサルミリーツカ (リイツカ) (Närvarande), Vainio, M. T. (Närvarande), Virkkunen, P. J. (Närvarande), Hiovain, K. (Närvarande), Haavisto, A. R. (Närvarande), Kallunki, V. A. J. (Medlem i organisationskommitté) & Pernaa, J. I. S. (Talare: Presentation)  
7 nov. 2018**Experimental and Theoretical Advances in Prosody (ETAP) 4: Sociolectal and dialectal variability in prosody**

Hiovain, K. (!!Speaker)

11 okt. 2018 → 13 okt. 2018

**6th Estonian Digital Humanities Conference**

Hiovain, K. (Talare: Presentation)

27 sep. 2018

**Sámi University of Applied Sciences**

Hiovain, K. (Besökande forskare)

17 sep. 2018 → 21 sep. 2018

**Tarton yliopisto**

Hiovain, K. (Besökande forskare)

15 sep. 2018 → 15 okt. 2018

**Speech prosody 2018**

Hiovain, K. (Poster presentation)

13 juni 2018 → 16 juni 2018

**Kielentutkimuksen tohtoriohjelman (HELSLANG) kesäkonferenssi**

Hiovain, K. (!!Speaker)

24 maj 2018 → 25 maj 2018

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

Hiovain, K. (Talare: Presentation)

7 maj 2018 → 9 maj 2018

**Suullinen seminaariesitelmä**

Hiovain, K. (!!Speaker)

27 apr. 2018

**Second workshop on Uralic prosody**

Hiovain, K. (Talare: Presentation)

28 sep. 2017 → 29 sep. 2017

**Interspeech 2017**

Hiovain, K. (Närvarande)

20 aug. 2017 → 24 aug. 2017

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

Hiovain, K. (Medlem i organisationskommitté)

18 aug. 2017 → 19 aug. 2017

**Seventh International Workshop on Spoken Dialogue System (IWSDS 2016)**

Hiovain, K. (Medlem i organisationskommitté) & Hiovain, K. (Talare: Presentation)

12 jan. 2016 → 17 jan. 2016

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

Hiovain, K. (Närvarande)

19 jan. 2014 → 1 feb. 2014

**Priser**

**Pro gradu -tutkielmapalkinto**

Hiovain, K. (!!Recipient), 2017

**Press/media**

**Saamenkielinen haastattelu Yle Sápmissa liittyen väitöstutkimukseen**

Hiovain, K.

25/01/2018

1 objekt av Mediabevakning