

IWCLUL 2025

**The 10th International Workshop on Computational
Linguistics for Uralic Languages**

Proceedings of the Workshop

December 10-12, 2025

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Preface

Welcome to the Proceedings of the 10th International Workshop on Computational Linguistics for Uralic Languages (IWCLUL), a dedicated venue for scholars, practitioners, and researchers working in computational linguistics with a particular emphasis on Uralic languages. This year's workshop continues the IWCLUL tradition of fostering interdisciplinary exchange, shared learning, and a collective dedication to tackling the linguistic, technological, and social issues surrounding Uralic languages in the digital era. The Uralic language family—stretching across Europe and Asia and including languages as varied as Finnish, Hungarian, and the endangered Udmurt and Khanty—brings with it a distinct set of computational challenges. These languages often feature rich morphology, agglutinative patterns, and unique syntactic and phonological structures, all of which demand specialized methods in computational analysis and language technology. Our workshop aims to highlight these complexities and encourage the creation of innovative tools and approaches that not only facilitate digital use of these languages but also contribute to their long-term vitality.

This year, IWCLUL saw a strong and wide-ranging set of submissions from the international research community, demonstrating the sustained interest in computational work on Uralic languages. The accepted papers span numerous topics and language varieties, offering insights into both well-documented and lesser-resourced Uralic languages. This diversity reflects the ongoing growth of the field and the many directions in which researchers are advancing computational linguistics for Uralic languages.

We are also pleased to celebrate Jack Rueter, who was honored with a lifetime achievement award by ACL SIGUR for his decades-long dedication to Uralic language research, documentation, and technology development. His work has had a lasting impact on the community and serves as an inspiration for future generations of researchers.

We hope that these proceedings inspire continued research and collaboration in computational linguistics for Uralic languages. May the insights, methodologies, and resources shared here contribute to meaningful advances in the field and foster an inclusive future for Uralic languages in the digital landscape.

Sincerely, The IWCLUL 2025 Organizing Committee

Organizing Committee

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Program

Wednesday, December 10, 2025

14:00 - 18:00 *Karelian Workshop*

Thursday, December 11, 2025

09:15 - 09:30 *Workshop Opening*

09:30 - 10:30 *Keynote – Josh Wilbur*

10:30 - 11:20 *Lightning Talks*

11:20 - 11:40 *Coffee Break*

11:40 - 12:40 *Oral Session 1*

From NLG Evaluation to Modern Student Assessment in the Era of ChatGPT: The Great Misalignment Problem and Pedagogical Multi-Factor Assessment (P-MFA)

Mika Hämäläinen and Kimmo Leiviskä Leiviskä

Benchmarking Finnish Lemmatizers across Historical and Contemporary Texts

Emily Öhman, Leo Huovinen and Mika Hämäläinen

The world's first South Sámi TTS – a revitalisation effort of an endangered language by reviving a legacy voice

Katri Hiovain-Asikainen, Thomas B. Kjærstad, Maja Lisa Kappfjell and Sjur N. Moshagen

12:40 - 13:40 *Lunch*

13:40 - 15:00 *Oral Session 2*

Can advances in NLP lead to worse results for Uralic languages and how can we fight back? Experiences from the world of automatic spell-checking and correction for Finnish

Flammie A Pirinen

A Hybrid Multilingual Approach to Sentiment Analysis for Uralic and Low-Resource Languages: Combining Extractive and Abstractive Techniques

Mikhail Krasitskii, Olga Kolesnikova, Grigori Sidorov and Alexander Gelbukh

Language technology for the minority Finnic languages

Flammie A Pirinen, Trond Trosterud and Jack Rueter

Thursday, December 11, 2025 (continued)

Kildin Saami-Russian-(English) Parallel Corpus Building
Evan Hansen

15:00 - 15:20 *Coffee Break*

15:20 - 16:40 *Oral Session 3*

SampoNLP: A Self-Referential Toolkit for Morphological Analysis of Subword Tokenizers
Iaroslav Chelombitko, Ekaterina Chelombitko and Aleksey Komissarov

Timur and the Mansi spellchecker
Csilla Horváth

ORACLE: Time-Dependent Recursive Summary Graphs for Foresight on News Data Using LLMs
Lev Kharlashkin, Eiaki V. Morooka, Yehor Tereschenko and Mika Hämäläinen

Creating a multi-layer Treebank for Tundra Nenets
Nikolett Mus, Bruno Guillaume, Sylvain Kahane and Daniel Zeman

Friday, December 12, 2025

10:00 - 10:00 *Day 3 Opening*

10:00 - 11:00 *Oral Session 4*

Benchmarking Large Language Models for Lemmatization and Translation of Finnic Runosongs

Lidia Pivovarova, Kati Kallio, Antti Kanner, Jakob Lindström, Eetu Mäkelä, Liina Saarlo, Kaarel Veski and Mari Väina

Fine-Tuning Whisper for Kildin Sami

Enzo Gamboni

Digitization Work at the Finno-Ugrian Society: Livonian Case Study

Niko Partanen, Jack Rueter and Valts Ernštreits

11:00 - 12:00 *Lunch*

12:00 - 13:00 *Oral Session 5*

Siberian Ingrian Finnish: FST and IGTs

Ivan Ubaleht

Case-Number Dissociation in Finnish Noun Embeddings: fastText vs. BERT Layer Effects

Alexandre Nikolaev, Yu-Ying Chuang and R. Harald Baayen

Evaluating OpenAI GPT Models for Translation of Endangered Uralic Languages: A Comparison of Reasoning and Non-Reasoning Architectures

Yehor Tereschenko, Mika Hämäläinen and Svitlana Myroniuk

13:00 - 13:20 *Coffee Break*

13:20 - 14:20 *SIGUR Business Meeting*