Recommendation for the defense of Ph.D. thesis

Ph.D. candidate: Ladislav Mošner
Advisor: Jan Černocký
Co-advisor: Oldřich Plchot

We are happy that Ladislav “Láďa” Mošner has finished his thesis under our co-supervision and that his long-years efforts have converged to the submission of doctoral dissertation at FIT.

Ladislav is an excellent student (he graduated both the Bachelor and Master degrees at FIT with the highest distinctions - the “red diploma”) and we are happy that he has been working with our laboratory since his Master studies. His thesis is in the area of neural end-to-end multi-channel speaker recognition, a topic that is on the intersection of advanced signal processing and neural architectures for machine learning (that are now commonly called “artificial intelligence” - AI).

Ladislav is the author or co-author of 35 conference and journal publications, including being the first author of numerous Interspeech (CORE A) conference papers and co-authoring papers in IEEE Journal of Selected Topics in Signal Processing and Computer Speech and Language - two flag-ship journals in our field. The core of his PhD thesis is under review in Computer Speech & Language journal. His work has been extensively used and cited - according to Google Scholar, he gathered 775 citations and his h-index is 14 - an impressive number for a doctoral student. An important part of his work was the preparation of data-sets - BUT ReverbDB, MultiSV and MultiSV2 have gained a traction in the speech R&D community. In 2023, he was awarded by Joseph Fourier Prize for excellent PhD students in computer sciences, organized by the French Embassy in Prague and ATOS. He significantly contributed to the success of the BUT group in several international technology evaluations (“challenges”), including several NIST Speaker recognition (e.g., NIST LRE22, NIST SRE24 audio track, where BUT achieved excellent results).

Ladislav has been very active in a number of research projects, including “Improving Robustness in Automatic Speaker Recognition” funded from the Grant Agency of the Czech Republic, “Robust processing of recordings for operations and security (ROZKAZ)” funded by the Czech Ministry of Interior, two Faculty Awards funded by Google Inc. (he presented his work in Google New York) and Tencent AI Lab Rhino-Bird Gift Fund. He has also been active in the Horizon Marie Curie action “Exchanges for SPEech ReseArch aNd TechnOlogies (ESPERANTO)”. His community service includes reviews for Interspeech and Speech Communication.

Ladislav has actively looked to enrich his knowledge beyond his native lab, he has been twice a summer intern with Amazon Inc. (in Santa Clara, USA and in Cambridge, USA), did an internship with Loria, Inria (in Nancy, France), and regularly consults and works with Dr. Themos Stafylakis from Athens University of Economics and Business and Omilia, Greece. Recently, he was instrumental in establishing a contractual research cooperation with Omilia. He is one of specialists developing our relations to the supercomputing centers IT4I and LUMI.

He has been active in teaching at FIT VUT covering the exercises of courses ZRE (Speech signal processing) and ISS (Signals and Systems) and preparing project assignments. He has also been very helpful within the group by providing newcomers in the lab with instructions on tools, data, speaker recognition and embedding extraction systems, SGE computing and many others.

From a personal point of view, we appreciate Ladislav’s calm perseverance and goal-orientation, experimental skills, sense of team-work, fairness in evaluation and presenting the results, organization, and good will to make the lab a happy place to work.

To conclude, **we fully recommend Ladislav Mošner’s Ph.D. thesis for defense**, wish him all the best in his professional and personal life, and look forward to continuing working with him.

In Brno, August 30, 2025

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