

List of published papers

dr. Beáta Lázár-Lőrincz

Publications in conference proceedings:

1. **Beáta Lőrincz**, Maria Nuțu, Adriana Stan, *Romanian Part of Speech Tagging using LSTM Networks*, In 2019 IEEE 15th International Conference on Intelligent Computer Communication and Processing (ICCP), IEEE, pp. 223-228, 2019, ISBN 978-1-7281-4914-1
2. Maria Nuțu, **Beáta Lőrincz**, Adriana Stan, *Deep learning for automatic diacritics restoration in Romanian*, In 2019 IEEE 15th International Conference on Intelligent Computer Communication and Processing (ICCP), IEEE, pp. 235-240, 2019, ISBN 978-1-7281-4914-1
3. **Beáta Lőrincz**, Maria Nuțu, Adriana Stan, Mircea Giurgiu, *An Evaluation of Postfiltering for Deep Learning Based Speech Synthesis with Limited Data*, In 2020 IEEE 10th International Conference on Intelligent Systems (IS), IEEE, pp. 437-442, 2020, ISBN 978-1-7281-5456-5
4. **Beáta Lőrincz**, *Concurrent phonetic transcription, lexical stress assignment and syllabification with deep neural networks*, In Knowledge-Based and Intelligent Information & Engineering Systems: Proceedings of the 24th International Conference KES2020, Procedia Computer Science, Vol. 176, pp. 108-117, 2020
5. **Beáta Lőrincz**, Adriana Stan, Mircea Giurgiu, *Speaker verification-derived loss and data augmentation for DNN-based multispeaker speech synthesis*, In 2021 29th European Signal Processing Conference (EUSIPCO), IEEE, pp. 26-30, 2021, ISBN 978-9-0827-9706-0
6. **Beáta Lőrincz**, Adriana Stan, Mircea Giurgiu, *An objective evaluation of the effects of recording conditions and speaker characteristics in multi-speaker deep neural speech synthesis*, In Knowledge-Based and Intelligent Information & Engineering Systems: Proceedings of the 25th International Conference KES2021, Procedia Computer Science, Vol. 192, pp. 756-765, 2021.
7. Stefan Daniel Dumitrescu, Petru Rebeja, **Beáta Lőrincz**, Mihaela Gaman, Andrei-Marius Avram, Mihai Ilie, Andrei Pruteanu, Adriana Stan, Lorena Rosia, Cristina Iacobescu, Luciana Morogan, George-Andrei Dima, Gabriel Marchidan, Traian Rebedea, Madalina Chitez, Dani Yogatama, Sebastian Ruder, Radu Tudor Ionescu, Razvan Pascanu, Viorica Patraucean, *LiRo: Benchmark and*

leaderboard for Romanian language tasks, In Proceedings of the Neural Information Processing Systems Track on Datasets and Benchmarks 1 pre-proceedings (NeurIPS Datasets and Benchmarks 2021), 2021.

8. **Beáta Lőrincz**, Bogdan Iudean, Andreea Vescan, *Experience report on teaching testing through gamification*, In Proceedings of the 3rd International Workshop on Education through Advanced Software Engineering and Artificial Intelligence, pp. 15-22, 2021.
9. **Beáta Lőrincz**, *Contributions to neural speech synthesis using limited data enhanced with lexical features*, In Proceedings of the 1st ISCA Symposium on Security and Privacy in Speech Communication, pp. 83-85, 2021.
10. Adriana Stan, **Beáta Lőrincz**, Maria Nutu, Mircea Giurgiu, *The MARA corpus: Expressivity in end-to-end TTS systems using synthesised speech data*, In 2021 International Conference on Speech Technology and Human-Computer Dialogue (SpeD), IEEE, pp. 85-90, 2021, ISBN 978-1-6654-2786-9

PhD Thesis:

1. **Beáta Lőrincz**, *Augmented lexical features and limited data speaker adaptation applications for Romanian neural speech synthesis*, Babeş-Bolyai University, 2022

Book chapter:

1. Adriana Stan, **Beáta Lőrincz**, *Generating the Voice of the Interactive Virtual Assistant*, In Virtual Assistant, IntechOpen, pp. 11-32, 2021.

Publications in journals:

1. **Beáta Lőrincz**, Elena Irimia, Adriana Stan, Verginica Barbu Mititelu, *RoLEX: The development of an extended Romanian lexical dataset and its evaluation at predicting concurrent lexical information*, Natural Language Engineering, Vol. 29, Issue 3, pp. 720-745, 2022, ISSN 1469-8110
2. Dan Oneață, **Beáta Lőrincz**, Adriana Stan, Horia Cucu, *FlexLip: A Controllable Text-to-Lip System*, Sensors 22, no. 11 (2022): 4104, ISSN 1424-8220