

Danijel Koržinek

✉ danijel@pja.edu.pl



Professional experience

- mid 2013–now **Research in the CLARIN-PL project**
- Audio data recording and analysis tools for the study in HSS sciences
 - The Polish branch of the pan-European research infrastructure CLARIN ERIC
- 02/2012–01/2015 **Research in the EU-Bridge project**
- Speech to speech translation
 - EU funded project FP7-ICT 287658
- 09/2010–09/2014 **Research for the SYNAT project**
- Transcription of broadcast audio.
 - Funded by the National Centre of Research and Development (NCBiR) under grant No. SP/I/1/77065/10
- 09/2010-09/2013 **Research for the SENAT project**
- Transcription of parliamentary recordings
 - Grant from the Polish Ministry of Science and Higher Education no. N516 519439
- 09/2007–09/2009 **Research for the LUNA project**
- Creating a prototype of a telephony dialog system.
 - Collection and annotation of acoustic data.
 - EU funded project EC 6 FR IST 033549
- 09/2007–now **Teaching Assistant** in multimedia and signal processing related subjects.
- 06/2006–01/2007 **Internship at IBM, Voice Department** Böblingen, Germany
- Optimization of Garbage Models used in IBM ViaVoice ASR
- 08/2005 **Internship at Nutech Solutions Polska**
- Distributed Evolutionary Systems

Education

- 12/2016 **Doctor's degree (PJAiT)**
Subject: Sparse and Scattering Features in Acoustic Modeling
- 07/2007 **Master's degree (PJIIT)**
Subject: Hybrid ASR System for the Polish Language

- 10/2005 **Bachelor's degree** (PJIIT)
Subject: Computer Vision and Application in Robotics
- 09/2003–01/2004 **National University of Ireland in Maynooth** Socrates/Erasmus grant
- 09/2002 **Started studies at PJIIT**

Language Skills

Croatian	native
Polish	fluent
English	fluent
German	conversational

Publications

Łukasz Brocki and Danijel Koržinek. *Anotowany korpus dialogów telefonicznych*, chapter Zbieranie danych metodą "Wizard of Oz", pages 199–216. Exit, 2010.

Łukasz Brocki and Danijel Koržinek. Kohonen self-organizing map for the traveling salesperson problem. In *Recent Advances in Mechatronics*, pages 116–119. Springer Berlin Heidelberg, 2007.

Łukasz Brocki, Danijel Koržinek, and Krzysztof Marasek. Recognizing connected digit strings using neural networks. In *Text, Speech and Dialogue*, pages 343–350. Springer Berlin Heidelberg, 2006.

Łukasz Brocki, Danijel Koržinek, and Krzysztof Marasek. Telephony based voice portal for a university. *Appl. Syst. Homel. Secur.*, 2008.

Łukasz Brocki, Danijel Koržinek, and Krzysztof Marasek. Voice portal for public city transportation. 2009.

Łukasz Brocki, Danijel Koržinek, and Krzysztof Marasek. Improved factorization of a connectionist language model for single-pass real-time speech recognition. In *International Symposium on Methodologies for Intelligent Systems*, pages 355–364. Springer, 2014.

Łukasz Brocki, Krzysztof Marasek, and Danijel Koržinek. Connectionist language model for polish. In *Intelligent Tools for Building a Scientific Information Platform*, pages 243–250. Springer Berlin Heidelberg, 2012.

Łukasz Brocki, Krzysztof Marasek, and Danijel Koržinek. Multiple model text normalization for the polish language. In *Foundations of Intelligent Systems*, pages 143–148. Springer Berlin Heidelberg, 2012.

Mariusz Kleć and Danijel Koržinek. Unsupervised feature pre-training of the scattering wavelet transform for musical genre recognition. *Procedia Technology*, 18:133–139, 2014.

Mariusz Kleć and Danijel Korzinek. Pre-trained deep neural network using sparse autoencoders and scattering wavelet transform for musical genre recognition. *Computer Science*, 16(2):133–144, 2015.

Danijel Korzinek, Krzysztof Marasek, and Łukasz Brocki. Information architecture aspects in voice portal design. *User-driven Information System Development*, page 81, 2013.

Danijel Korzinek. Adaptive feature extraction with spike coding for ann based phoneme recognition. 2010.

Danijel Korzinek and Łukasz Brocki. Grammar based automatic speech recognition system for the polish language. In *Recent Advances in Mechatronics*, pages 87–91. Springer Berlin Heidelberg, 2007.

Danijel Korzinek, Łukasz Brocki, Ryszard Gubrynowicz, and Krzysztof Marasek. Wizard of oz experiment for a telephony-based city transport dialog system. *Proceedings of the IIS 2008 Workshop on Spoken Language Understanding and Dialogue Systems*, 2008.

Danijel Korzinek, Krzysztof Marasek, and Łukasz Brocki. Automatic transcription of polish radio and television broadcast audio. In *Intelligent Tools for Building a Scientific Information Platform*, pages 489–497. Springer Berlin Heidelberg, 2013.

Krzysztof Marasek, Łukasz Brocki, Danijel Korzinek, Krzysztof Szklanny, and Ryszard Gubrynowicz. User-centered design for a voice portal. In *Aspects of Natural Language Processing*, pages 273–293. Springer Berlin Heidelberg, 2009.

Krzysztof Marasek, Łukasz Brocki, Danijel Korzinek, Krzysztof Wołk, and Ryszard Gubrynowicz. Spoken language translation for polish. *arXiv preprint arXiv:1511.07788*, 2015.

Krzysztof Marasek, Danijel Korzinek, and Łukasz Brocki. System for automatic transcription of sessions of the polish senate. *Archives of Acoustics*, 39(4):501–509, 2014.

Marcin Wichrowski, Danijel Korzinek, and Krzysztof Szklanny. Google glass development in practice: Ux design sprint workshops. In *Proceedings of the Multimedia, Interaction, Design and Innovation*, page 11. ACM, 2015.

Krzysztof Wołk and Danijel Korzinek. Comparison and adaptation of automatic evaluation metrics for quality assessment of re-speaking. *arXiv preprint arXiv:1601.02789*, 2016.

Krzysztof Wołk, Danijel Korzinek, and Krzysztof Marasek. Semi-automatic and human-aided translation evaluation metric (hmeant) for polish language in re-speaking and mt assessment. In *Multimedia and Network Information Systems*, pages 241–249. Springer, 2017.