

# 20<sup>th</sup> Czech-German Workshop on Speech Processing

September 20 – 22, Prague



## Monday, September 20

- 13:00 Workshop Opening
- 13:10 Phonetic and Prosodic Analysis of a Learners' Speech Corpus (L1 Czech - L2 German) - R. Jaeckel (TU Dresden)
- 13:40 Prosodic Structure as a Predictor of Glottal Stops Before Word-Initial Vowels in Czech English - M. P. Bissiri, J. Volín (Charles University in Prague)
- 14:10 Prosodic Aspects of the Czech Demonstrative Pronoun "ten" - R. Skarnitzl, M. Zíková (Charles University in Prague)
- 14:40 The Phonological Contrast of Voicing in Whispered Czech and its Phonetic Correlates - preliminary study - P. Machač, P. Šturm (Charles University in Prague)
- 15:10 Coffee Break
- 15:40 Wavelet Transform of Speech in Word-Boundary Detection Tasks - Z. Palková, J. Zimmermann, J. Volín (Charles University in Prague)
- 16:10 Mobile Phone as Voice Remote Control Using Wideband Speech via Bluetooth - S. Wittenberg (TU Dresden)
- 16:40 Analysis of Fricative Consonant /s/ in Dysarthria Test - A. Stráník (CTU Prague)
- 17:10 Classification Degree of the Developmental Language Disorders - J. Vavřina, J. Tučková (CTU Prague)
- 17:40 Free Evening

## Tuesday, September 21

- 9:00 Robust speaker diarization - J. Pražák (TU Liberec)
- 9:30 A Fast C++ Implementation of Time-Domain Blind Speech Separation Algorithm - O. Hnilička (TU Liberec)
- 10:00 Training of Speaker-Clustered Discriminative Acoustic Models for Use in Real-Time Recognizers - J. Vaněk (University of West Bohemia in Pilsen)
- 10:30 Coffee Break
- 11:00 Use of the Visual Speech Part in the Voice Dialogue Systems - J. Chaloupka (TU Liberec)
- 11:30 Analysis of Spectral Changes in Speech Affected by Orthodontic Appliances - J. Přibíl (Institute of Photonics and Electronics, ASCR)
- 12:00 Lunch Break
- 14:00 Emotions Analysed by the Music Theory - J. Tučková (CTU Prague)
- 14:30 Glottal Signal Modification for Emotional Speech Synthesis - M. Vondra, R. Vích (Institute of Photonics and Electronics, ASCR)
- 15:00 Pitch Detection Algorithm Evaluation Framework - J. Bartošek (CTU Prague)
- 15:30 Coffee Break
- 16:00 Methods for Faster Calculations of Output Probability Density - R. Krejčí (CTU Prague)
- 16:30 HMM-based Speech Synthesis: First Experiments for the Czech Language - Z. Hanzlíček (University of West Bohemia in Pilsen)
- 17:00 End of Afternoon Session
- 19:00 Evening Session in Villa Lanna

## Wednesday, September 22

- 9:00 Automatic Creation of Voice Inventories for Epos TTS - P. Horák, Z. Chaloupka (Institute of Photonics and Electronics, ASCR)
- 9:30 On Building a New Slovak Voice for the Czech Unit-Selection TTS System ARTIC - J. Matoušek, M. Grüber (University of West Bohemia in Pilsen)
- 10:00 Coffee Break
- 10:30 ARTIC speaks on Android - D. Tihelka (University of West Bohemia in Pilsen)
- 11:00 Improving Unit Concatenations in an Experimental Synthesis Based Upon Complex Cepstrum in the Concatenation-based TTS System Epos - J. Staněk (Institute of Photonics and Electronics, ASCR)
- 11:30 Workshop closing