# 19ᵗʰ Czech–German Workshop on Speech Processing
## September 29 – October 1, 2009, Prague

**Tuesday, September 29**

13:00 Workshop Opening

13:10 Pattern Recognition, Classification, and Speech Processing for Non-speech Signals – R. Hoffmann, U. Kordon, M. Wolff (TU Dresden)

13:35 A Comparison of Methods for Robust Speech Recognition in Reverberant Environments – R. Petric (TU Dresden)

14:00 Feature Extraction for Speech Recognition using Extended Normalization Methods – C. Lüke, K. Schnell, A. Lacroix (IAP, Goethe-Universität Frankfurt/Main)

14:25 Method of Digital Audio/Speech Watermarking Based on Cochlear Delay Characteristics – M. Unoki (Japan Advanced Institute of Science and Technology)

14:50 Coffee Break

15:15 Integration of Learning Content and Feedback Functions in the Multilingual Pronunciation Tutoring System EURONOUNCE – R. Jaeckel (TU Dresden)

15:40 Architecture of Educational Distributed Speech Recognition System – V. Hanžl (CTU Prague)

16:05 Optimization of Computationally Intensive Part of the Speech Recognizer – R. Krejčí (CTU Prague)

16:30 Robust Speech Recognition in Car Environment Combining Noise Reduction and Acoustic Model Adaptation – J. Rajnoha, P. Pollak (CTU Prague)

16:55 Coffee Break

17:20 Robust Speech Recognition Using MAP Based Noise Suppression Rules in the Feature Domain – R. Rotili (Università Politecnica delle Marche)

17:45 Design and Utilization of Testing Database for VAD Classification – J. Tatarinov (CTU Prague)

18:10 Using the Talking Head in Multimodal Communication-Interaction Systems – J. Chaloupka (TU Liberec)

18:30 Free Evening

**Wednesday, September 30**

9:00 Metric Warping in Czech Newsreading – J. Volín (Charles University in Prague)

9:25 Suprasegmental Markers of Irony in Acted and Natural Speech – P. Marková, E. Filippová (Charles University in Prague)

9:50 Phonetic Analysis of Parasitic Speech Sounds – R. Skarnitzl, P. Machač (Charles University in Prague)

10:15 Coffee Break

10:40 Regional Variability of Czech Vowels – D. Studenovský (Charles University in Prague)

11:05 The Role of Nuclear and Extra-Nuclear Contours in the Perception of Expressivity in Czech – T. Duběda (Charles University in Prague)

11:30 Prosodic Phrase Annotation in Czech Corpus – J. Romportl (University of West Bohemia in Pilsen)

12:00 Lunch Break

14:00 Modelling of Airflow in Human Vocal Tract Generated by Oscillating Vocal Folds – J. Horáček, V. Uruba, V. Radolf, P. Šidlof, J. Veselý, V. Bula (Institute of Thermomechanics, ASCR)

14:25 Reduction of Computing Cost in Unit Selection TTS System with Large Corpus – J. Kala (University of West Bohemia in Pilsen)

14:50 Reducing Footprint of Unit Selection TTS System by Eliminating Utterances from Source Speech Corpus – J. Matoušek (University of West Bohemia in Pilsen)

15:15 Coffee Break

15:40 Development of Limited Domain Czech Expressive Speech Synthesis System – M. Grůber (University of West Bohemia in Pilsen)

16:05 Using WSOLA (Waveform Similarity based Overlap-Add) Method for Time-Scale Modification of Speech – M. Méner

16:30 End of Afternoon Session

19:00 Evening Session in Villa Lanna

**Thursday, October 1**

9:00 Prosody Modelling Possibilities of the Czech Emotional Speech – P. Horák, Z. Chaloupka (Institute of Photonics and Electronics, ASCR)

9:25 Czech Acted Emotional Speech Database – M. Vondra (Institute of Photonics and Electronics, ASCR)

9:50 Coffee Break

10:15 Comparison of Speech Vocoders Based on Real and Complex Cepstral Coefficients – J. Staněk, M. Vondra (Institute of Photonics and Electronics, ASCR)

10:40 Endpoint Detection Based on Discriminative Metric Design and Interpolated Models – P. Zelinka (Brno University of Technology)

11:05 Workshop closing