

ESSV2010

Beuth University of Applied Sciences Berlin

Preliminary Program

8 September 2010, Day 1

13:00 **Opening**

Keynote 1

13:15 *Hartmut R Pfitzinger*

Shifting the Paradigm from Source-Filter-Modelling to segmental-Suprasegmental Modelling of Speech

Multimodal Communication

14:00 *Bernd J Kröger, Jim Kannampuzha, Dominik Bauer, Peter Birkholz, Philippe Dreuw, Hermann Ney*

An Action-Based Concept for the Phonetic Annotation of Sign Language Gestures

14:20 *Sascha Fagel, Gérard Bailly*

Speech, Gaze and Head Motion in a Face-to-Face Collaborative Task

14:40 *Ralf Winkler, Gunter Uhlmann, Gerd Schneider*

Maschinelle Klassifikation von Artikulationsbewegungen im Rahmen einer visuellen Artikulationsschulung für gehörlose und schwerhöriger Kinder

15:00 **Coffee Break**

Prosody and Affect

15:20 *Benjamin Weiss, Sebastian Möller, Tim Polzehl*

Wirkung menschlicher Stimme auf die wahrgenommene Sympathie– Einfluss der Stimmanregung anhand von Laryngogrammen

15:40 *Jürgen Trouvain*

Affektäußerungen in Sprachkorpora

16:00 *Sören Wittenberg, Oliver Jokisch*

Das Prosodisch-Phonetische Annotationssystem PROPHANO

16:20 *Jorge Gurlekian, Diego Evin, Hansjörg Mixdorff, Humberto Torres, Hartmut Pfitzinger*

Accent Command Model Parameter Alignment in Argentine Spanish Absolute Interrogatives

16:40 *Keikichi Hirose, Keiko Ochi, Miaomiao Wang, Tatsuya Matsuda, Miaomiao Wen, Nobuaki Minematsu*

Using F0 Contour Generation Process Model for Improved and Flexible Control of Prosodic Features in HMM-based Speech Synthesis

17:00 *Katrin Hannappel, Nils Ülzmann, Hartmut R Pfitzinger*
Ein interdisziplinäres Stimmkonzept

17:30 **Reception**

9 September 2010, Day 2

Keynote 2

09:15 *Sebastian Möller, Florian Hinterleitner*
Instrumental Evaluation of Synthesized Speech Quality

Speech Synthesis

10:00 *Eva Lasarczyk*
Acoustics vs articulation in articulatory speech synthesis: One vocal tract target configuration has more than one sound

10:20 *Martin Vondra, Robert Vích*
Speech Conversion Using a Mixed-phase Cepstral Vocoder

10:40 *Donata Moers, Petra Wagner, Bernd Möbius*
Erzeugung schneller Sprache mittels Unit Selection Sprachsynthese

11:00 *Uwe D Reichel, Raphael Winkelmann*
Phoneme-to-phoneme alignment and conversion

11:20 **Coffee Break**

Signal Processing

11:40 *Arthur Wolf, Bernd Iser, Gerhard Schmidt*
Laufzeitoptimierte Geräuschreduktionsverfahren basierend auf overlap-save-Strukturen mit Projektionsfilternäherungen

12:00 *Herbert Buchner*
Enthüllung und Trennung von Sprachsignalen mittels blinder adaptiver MIMO-Filterung

12:20 *Ronald Römer*
Cortical Algorithm for Symbolic and Sub-symbolic Applications

12:40 *Patrick Hannon, Mohamed Krini, Gerhard Schmidt, Arthur Wolf*
Reducing the Complexity or the Delay of Adaptive Subband Filtering

13:00 *Ulrich Kordon, Matthias Wolff, Steffen Kürbis*
Laufzeitmessung von gestörten akustischen Signalen mit Verfahren der Mustererkennung

13:20 **Lunch Break**

Speech Interfaces and Dialog

- 14:20 *Frank Duckhorn, Guntram Strecha, Matthias Wolff, Rüdiger Hoffmann*
Entwicklung und Performance eines Sprachdialogsystems mit begrenzten
Hardwareressourcen
- 14:40 *Karina Matthes, Felix Claus, Horst-Udo Hain, Rico Petrick*
Herausforderungen an Sprachinterfaces für Kinder
- 15:00 *Stefan Schmidt, Matthias Schulz, Martin Meister, Julian Stubbe, Mandy
Töppel, Klaus-Peter Engelbrecht, Sebastian Möller*
Identifikation von Interaktivitätsmustern zur regelbasierten Usability-Evaluierung
von Sprachdialogsystemen
- 15:20 *Thomas Fehér, Sören Wittenberg, Rüdiger Hoffmann*
Akustisches und mobiles Front-End für ein Public Terminal
- 15:40 *Timo Baumann, Okko Buß, David Schlangen*
InproTK in Action: Open-Source Software for Building German-Speaking Incremental
Spoken Dialogue Systems
- 16:00 *Tomáš Nestorovič*
Voice and Graphical User Interfaces: Design Issues
- 16:20 **Coffee Break**

Speech Recognition

- 16:40 *Harald Höge, Panji Setiawan*
Improvements of Hidden Chunk Models
- 17:00 *Pavel Král, Václav Matoušek*
Evaluation of Automatic Speaker Recognition Approaches
- 17:20 *Diego A Evin, Jorge A Gurlekian, Humberto M Torres*
N-Best Rescoring based on Intonation Prediction for a Spanish ASR System
- 19:00 **Conference Banquet**

10 September 2010, Day 3

Automotive and Multimedia

- 09:00 *Álvaro Sigüenza, José Luis Blanco, David Conejero, Luis Hernández*
Improving speech interaction in vehicles using context-aware information through an
SCXML framework
- 09:20 *Stephan Euler*
Schnelle Entwicklung von Sprachdialogen mit dem Framework GRAILS

09:40 *Felix Burkhardt, Martin Eckert, Julia Niemann, Frank Oberle, Thomas Scheerbarth, Stefan Seide, Jianshen Zhou*

A Mobile Office and Entertainment System Based on Android

10:00 *Katja Madany*

Mixed-Type-Multi-Class Audio Klassifikation und Segmentation für die Inhaltserfassung von Broadcast Medien

10:20 **Coffee Break**

Language Acquisition and L2 Learning

10:40 *Nobuaki Minematsu*

Human Speech Model based on Information Separation

11:00 *Hongwei Ding, Hansjörg Mixdorff, Oliver Jokisch*

Pronunciation of German Syllable Codas of Mandarin Chinese Speakers

11:20 *Hussein Hussein, Hansjörg Mixdorff, Hue San Do, Si Wei, Qianyong Gao, Shu Gong, Hongwei Ding, Guoping Hu*

Development of a Computer-Aided Pronunciation Training System for Teaching Mandarin for German Learners – Pronunciation Errors

11:40 *Yoshinori Sagisaka, Hiroaki Kato, Minoru Tsuzaki, Shizuka Nakamura, Chatchawarn Hansakunbuntheung*

Computational Modeling of Timing Control and its Application to Objective Evaluation of the Second Language Proficiency

12:00 *Greg Short, Keikichi Hirose, Nobuaki Minematsu*

Pitch Pattern Recognition of isolated words for the Development of a Japanese Language Call System

12:20 **Coffee Break**

Session in Honor of Hiroya Fujisaki

12:30 *Keikichi Hirose*

In Honor of Hiroya Fujisaki

12:35 *Hansjörg Mixdorff*

On the Alignment of Prosodic Events

12:55 *Rüdiger Hoffmann, Dieter Mehnert*

Early Experiments on Prosody in Synthetic Speech

13:15 *Hiroya Fujisaki*

In Search of Models – A Review of the Author's Research over a Half Century

14:00 **Closing**