

Publikationen

Bücher

- ◆ Dissertation:
Robust Adaptation to Non-Native Accents in Automatic Speech Recognition,
Silke Goronzy, **Springer Verlag**, Lecture Notes in Artificial Intelligence, 2002,
ISBN 3-540-00325-8

Buchbeiträge

- ◆ Kapitel **Other challenges: Non-Native Speech, Dialects, Accents, and Local Interfaces** in **Multilingual Speech Recognition**,
Elsevier, 2006
Silke Goronzy, Laura Mayfield-Tomokyo, Etienne Bernard, Marie Davelie
- ◆ Kapitel **Dynamic Lexicon** in **SmartKom - Foundations of a Multimodal Dialogue System**, Silke Goronzy, Stefan Rapp and Martin Emele,
Springer Verlag, 2006
- ◆ Kapitel **SmartKom Home - The Interface to Home Entertainment** in **SmartKom - Foundations of a Multimodal Dialogue System**,
Thomas Portele, Silke Goronzy, Martin Emele, Sunna Torge, Jan te Vrugt, Andreas Kellner,
Springer Verlag, 2006
- ◆ Kapitel **Class-based Language Model Adaptation** in **SmartKom - Foundations of a Multimodal Dialogue System**,
Martin Emele, Zica Valsan, Yin Hay Lam and Silke Goronzy,
Springer Verlag, 2006

Journale

- ◆ **Generating Non-Native Pronunciation Variants for Lexicon Adaptation**
Silke Goronzy, Ralf Kompe, Stefan Rapp,
EURASIP/ISCA Speech Communication Journal, Vol 42/1, pp 109-123, 200

Konferenzbeiträge

- ◆ **Developing Speech Dialogs for Multimodal HMIs Using Finite State Machines**,
Silke Goronzy, Raquel Mochales, Nicole Beringer
Interspeech 2006, Pittsburgh, USA
- ◆ **Fully exploiting the potential of speech dialog in automotive applications**,
Silke Goronzy, Rainer Holve, Ralf Kompe
Embedded Real-Time Software, ERTS2006, Toulouse, Frankreich
- ◆ **A Model-Based Approach towards Human-Machine-Interfaces**,
Rainer Holve, Silke Goronzy
Embedded Real-Time Software, ERTS2006, Toulouse, Frankreich
- ◆ **Integrated Development and On-the-Fly Simulation of Multimodal Dialogs**,
Silke Goronzy, Nicole Beringer
Interspeech 2005, Lissabon, Portugal

- ◆ **Emotion Recognition Using Bio-Sensors: First Steps Towards an Automatic System,**
Andreas Haag, Silke Goronzy, Jason Williams, Peter Schaich
Workshop on Affective Dialogue Systems, Kloster Irsee, Juni 2004, Deutschland
- ◆ **MIAMM: Lessons Learned in Haptic & Tactile Interaction,**
Jason Williams, Georg Michelitsch, Jan-Hendrik van Veen, Silke Goronzy
Eurohaptics 2004, München, Deutschland
- ◆ **Automatic Pronunciation Modelling for Multiple Non-Native Accents,**
Silke Goronzy, Kathrin Eisele,
ASRU2003, St. Thomas, U.S. Virgin Islands
- ◆ **Personalisation in a Dialogue System,**
Ralf Kompe, Martin Emele, Silke Goronzy, Robert Mencl, Sunna Torge,
Mensch&Computer2003, Stuttgart, Deutschland
- ◆ **The Dynamic, Multi-Lingual Lexicon in SmartKom,**
Silke Goronzy, Zica Valsan, Martin Emele, Jürgen Schimanowski
Eurospeech 2003, pp. 1937-1940, Genf, Schweiz
- ◆ **The Home Scenario in SmartKom,**
Thomas Portele, Silke Goronzy, Jürgen te Vrugt, Andreas Kellner, Sunna Torge
Eurospeech 2003, pp. 1897-1900, Genf, Schweiz
- ◆ **Is Non-Native Pronunciation Modelling Necessary?**
Silke Goronzy, Manya Sahakyan, Wolfgang Wokurek,
Eurospeech 2001, pp. 309-312, Aalborg, Dänemark
- ◆ **Generating Non-Native Pronunciation Variants for Lexicon Adaptation,**
Silke Goronzy, Ralf Kompe, Stefan Rapp
ISCA ITR Workshop Adaptation Methods for Speech Recognition 2001, pp. 143-146,
Sophia-Antipolis, Frankreich
- ◆ **Phone-Duration-Based Confidence Measures for Embedded Applications,**
Silke Goronzy, Krzysztof Marasek, Ralf Kompe, Andreas Haag
ICSLP 2000, pp. 500-503, Peking, China
- ◆ **Prosodically Motivated Features for Confidence Measures,**
Silke Goronzy, Krzysztof Marasek, Ralf Kompe, Andreas Haag,
ISCA ITR Workshop on Automatic Speech Recognition and Understanding 2000,
pp. 207-212, Paris, Frankreich
- ◆ **Dynamic Speech Interfaces,**
Stefan Rapp, Sunna Torge, Silke Goronzy, Ralf Kompe
IMS 2000 Workshop, ECAI, Berlin, Deutschland
- ◆ **Semi-supervised Speaker Adaptation,**
Silke Goronzy, Krzysztof Marasek, Ralf Kompe
Sony Research Forum 2000, Tokio, Japan
- ◆ **A Map-Like Weighting Scheme for MLLR Adaptation,**
Silke Goronzy und Ralf Kompe
Eurospeech 1999, pp. 5-8, Budapest, Ungarn
- ◆ **A dynamic weighting Scheme for MLLR Speaker Adaptation,**
Outstanding Paper Award

Silke Goronzy und Ralf Kompe,
Sony Research Forum, 1999, Tokio, Japan

◆ **A combined MAP+MLLR Approach for Speaker Adaptation,**

Silke Goronzy und Ralf Kompe,
Sony Research Forum, 1999, pp. 9-14, Tokio, Japan

◆ **Confidence Measures for Speech Recognition,**

Krzysztof Marasek, Silke Goronzy,
Sony Research Forum 1999, Tokio, Japan

Patente

1. **Automatic summarisation for a television programme suggestion engine based on consumer preferences,**
11/03, Goronzy, Lam, Kompe, Kemp, Tato, Marasek
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11/03, Goronzy, Lam, Kompe, Kemp, Tato, Marasek
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EP 1 233 406 A1, 02/01, Goronzy, Kompe
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09/00, Kompe, Goronzy, Marasek
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15. **Speaker Adaptation with speech model puning,**

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16. Avoid over-adaptation to certain words during online speaker adaptation of speech recognizers,

EP 1 197 949 B1, 10/00, Kompe, Goronzy, Marasek

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EP 1 045 374 A1, 04/99, Rapp, Goronzy, Kompe, Buchner, Giron, Lucke

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EP 0 911 808 B1, 10/97 Buchner, Goronzy, Kompe, Rapp