

## **Publications:**

### 2002-:

1. Zheng-Hua Tan and Paul Dalsgaard. "Channel Error Protection Scheme for Distributed Speech Recognition," Proceedings ICSLP2002 - the 7th International Conference on Spoken Language Processing, Denver USA, September 2002.
2. Zheng-Hua Tan, Børge Lindberg and Paul Dalsgaard, "Experiments on A Channel Error Protection Scheme for Distributed Speech Recognition," Proceedings NORSIG 2002 - the 5th Nordic Signal Processing Symposium, Norway, 2002
3. Zheng-Hua Tan, Paul Dalsgaard and Børge Lindberg, "Partial Splicing Packet Loss Concealment for Distributed Speech Recognition," IEE Electronics Letters, vol. 39, no. 22, October 2003.
4. Zheng-Hua Tan, Paul Dalsgaard and Børge Lindberg, "OOV-Detection And Channel Error Protection For Distributed Speech Recognition Over Wireless Networks," Proceedings ICASSP 2003 - the 28th International Conference on Acoustics, Speech, and Signal Processing, Hong Kong, P R China April, 2003.
5. Zheng-Hua Tan, Paul Dalsgaard and Børge Lindberg, "Exploiting Temporal Correlation of Speech for Error Concealment in Distributed Speech Recognition," submitted to IEEE Transaction on Speech and Audio Processing, 2004.
6. Zheng-Hua Tan, Børge Lindberg and Paul Dalsgaard, "A Comparative Study of Feature-Domain Error Concealment Techniques for Distributed Speech Recognition", COST278 and ISCA Tutorial and Research Workshop (ITRW) on Robustness Issues in Conversational Interaction, Norwich, UK, 2004.
7. Zheng-Hua Tan, Paul Dalsgaard and Børge Lindberg, "On the Integration of Speech Recognition into Personal Networks," invited paper at ICSLP 2004 - the 8th International Conference on Spoken Language Processing, Jeju Island, Korea, October 2004.
8. Haitian Xu, Zheng-Hua Tan, Paul Dalsgaard and Børge Lindberg, "Spectral Subtraction with Full-Wave Rectification and Likelihood Controlled Instantaneous Noise Estimation for Robust Speech Recognition," ICSLP 2004 - the 8th International Conference on Spoken Language Processing, Jeju Island, Korea, October 2004.
9. Zheng-Hua Tan, Paul Dalsgaard and Børge Lindberg, "A Subvector-Based Error Concealment Algorithm for Speech Recognition over Mobile Networks," Proceedings ICASSP 2004 - the 29th International Conference on Acoustics, Speech, and Signal Processing, Canada, 2004.
10. Haitian Xu, Zheng-Hua Tan, Paul Dalsgaard and Børge Lindberg, "Robust Speech Recognition Based on Noise and SNR Classification - a Multiple-Model Framework", Interspeech 2005, Lisbon, Portugal, September 2005.
11. Haitian Xu, Zheng-Hua Tan, Paul Dalsgaard, Ralf Mattethat and Børge Lindberg, "A Configurable Distributed Speech Recognition System", Biennial on DSP for in-Vehicle and Mobile Systems, Sesimbra , Portugal , September 2005.
12. Zheng-Hua Tan, Børge Lindberg and Paul Dalsgaard, "A Comparative Study of Feature-Domain Error Concealment Techniques for Distributed Speech Recognition", Robust 2004 - COST278 and ISCA Tutorial and Research Workshop (ITRW) on Robustness Issues in Conversational Interaction, Norwich, UK, August 2004.
13. Zheng-Hua Tan, Paul Dalsgaard and Børge Lindberg, ""Automatic Speech Recognition over Error-Prone Wireless Networks," Speech Communication, vol. 47, no. 1-2, pp. 220-242, Sep.- Oct. 2005.
14. Zheng-Hua Tan, Paul Dalsgaard and Borge Lindberg, "Adaptive Multi-Frame-Rate Scheme for Distributed Speech Recognition Based on a Half Frame-Rate Front-End", IEEE MMSP 2005 - the 7th international workshop on multimedia signal processing, Shanghai, China , November 2005.
15. Zheng-Hua Tan, Paul Dalsgaard, Børge Lindberg and Haitian Xu, "Robust Speech Recognition in Ubiquitous Networking and Context-Aware Computing", Interspeech 2005, Lisbon, Portugal, September 2005.