

ZHENGYU NIU

Mobile phone: +65-93612080

E-mail: zniu@i2r.a-star.edu.sg

Homepage: <http://www.comp.nus.edu.sg/~niu Zheng>

Postal address:

MailBox B023

21 Heng Mui Keng Terrace

Singapore 119613

PERSONAL INFORMATION

Gender: Male, Date of Birth: May 13 1976, Citizenship: P.R.China

EDUCATION

National University of Singapore, Singapore, Ph.D., Computer Science, Graduation Date: June 2006, GPA: B+/A+

Tongji University, Shanghai, China, M.E., Pattern Recognition and Intelligent System, Graduation Date: April 2001, GPA: 3.4/4.0

Tongji University, Shanghai, China, B.E., Computer and Its Application, Graduation Date: July 1998, GPA: 3.1/4.0

REFERENCES

Dong Hong, Ji Research Scientist, Institute for Infocomm Research, Singapore
Contact information: dhji@i2r.a-star.edu.sg

Chew Lim, Tan Associate Professor, Department of Computer Science, National University of Singapore, Singapore
Contact information: tancl@comp.nus.edu.sg, Homepage: <http://www.comp.nus.edu.sg/~tancl>

Hwee Tou, Ng Associate Professor, Department of Computer Science, National University of Singapore, Singapore
Contact information: nght@comp.nus.edu.sg, Homepage: <http://www.comp.nus.edu.sg/~nght>

RESEARCH INTERESTS

Natural language processing

Semi-supervised or unsupervised word sense disambiguation, text categorization, and document clustering.

Learning algorithms

Semi-supervised learning algorithms, clustering algorithms, and their application to NLP tasks.

Information retrieval

Query expansion, and term (or keyword) clustering.

Spoken language system

Data-driven Text-to-Speech system.

RESEARCH AND ENGINEERING EXPERIENCE

Research Staff Member Microsoft Research Asia, Beijing, P.R.China, April, 2001- December, 2002
Building text processing components in English and Chinese Text to Speech systems.

Intern Motorola China Research Center, Shanghai, P.R.China Visiting student in NLP group, July, 2000-December, 2000
Implementing prosodic phrasing component in Chinese Text-to-Speech System for new generation mobile phone.

ACADEMIC HONORS

NUS President's Graduate Fellowship (< 5%), August 2005-July 2006
NUS School of Computing Dean's Graduate Award (< 10%), August 2004
A*STAR Graduate Scholarship, 2003-2006
Tongji University Excellent Student Award (< 10%), October 2000
Tongji University People Scholarship (< 20%), 1995-1997
Tongji University Freshman Fellowship (< 10%), September 1994

PUBLICATIONS**Conference Papers:**

Zheng-Yu Niu, Dong-Hong Ji, Chew Lim Tan (2005). Word Sense Disambiguation Using Label Propagation Based Semi-supervised Learning. Proceedings of the 43rd Annual Meeting of the Association for Computational Linguistics (ACL-2005). Ann Arbor, USA.

Zheng-Yu Niu, Dong-Hong Ji, Chew Lim Tan (2005). Semi-Supervised Feature Clustering with Application to Word Sense Disambiguation. Proceedings of the HLT/EMNLP 2005. Vancouver, Canada.

Zheng-Yu Niu, Dong-Hong Ji, Chew Lim Tan, Ling-Peng Yang (2005). Word Sense Disambiguation by Local and Global Consistency Based Semi-Supervised Learning. Proceedings of the 6th International Conference on Computational Linguistics and Intelligent Text Processing (CICLING-2005). Mexico city, Mexico.

Jinxu Chen, Dong-Hong Ji, Chew Lim Tan, Zheng-Yu Niu (2005). Automatic Relation Extraction with Model Order Selection and Discriminative Label Identification. Proceedings of the 2nd International Joint Conference on Natural Language Processing (IJCNLP-05). Jeju Island, Korea.

Jinxu Chen, Dong-Hong Ji, Chew Lim Tan, Zheng-Yu Niu (2005). Unsupervised Feature Selection for Relation Extraction. Proceedings of the 2nd International Joint Conference on Natural Language Processing (IJCNLP-05). Jeju Island, Korea.

Zheng-Yu Niu, Dong-Hong Ji, Chew Lim Tan (2004). Document Clustering Based on Cluster Validation. Proceedings of the 13th ACM International Conference on Information and Knowledge Management (CIKM-2004). Washington, DC, USA.

Zheng-Yu Niu, Dong-Hong Ji, Chew Lim Tan (2004). Learning Word Senses With Feature Selection and Order Identification Capabilities. Proceedings of the 42nd Annual Meeting of the Association for Computational Linguistics (ACL-2004). Barcelona, Spain.

Zheng-Yu Niu, Dong-Hong Ji, Chew Lim Tan (2004). Optimizing Feature Set for Chinese Word Sense Disambiguation. Proceedings of the 3rd International Workshop on the Evaluation of Systems for the Semantic Analysis of Text (SENSEVAL-3). Barcelona, Spain.

Zheng-Yu Niu, Dong-Hong Ji (2004). Feature Selection for Chinese Character Sense Discrimination. Proceedings of the 5th International Conference on Computational Linguistics and Intelligent Text Processing (CICLING-2004). Seoul, Korea. Lecture Notes in Computer Science 2945 Springer 2004, ISBN 3-540-21006-7.

Min Chu, Hu Peng, Yong Zhao, Zheng-Yu Niu, Eric Chang (2003). Microsoft Mulan - a Biligual TTS System. Proceedings of the 28th International Conference on Acoustics, Speech, and Signal Processing (ICASSP-2003). Hong Kong, China. (Online demo of TTS system: <https://research.microsoft.com/speech/tts.asp>)

Zheng-Yu Niu, Pei-Qi Chai (2001). Segmentation of Prosodic Phrases for Improving the Naturalness of Synthesized Mandarin Speech, Proceedings of 6th International Conference on Spoken Language Processing (ICSLP-2001), vol.3, 350-353. Beijing, China.

Journal Papers:

Ling-Peng Yang, Dong-Hong Ji, Li Tang, Zheng-Yu Niu (2005). Chinese Information Retrieval Based on Terms and Ontology. To appear in ACM Transactions on Asian Language Information Processing.