Fourth SIGHAN Workshop on Chinese Language Processing

(IJCNLP 2005)

Jeju Island, Korea 14-15 October 2005

ISBN: 978-1-62748-367-4

Printed from e-media with permission by:

Curran Associates, Inc. 57 Morehouse Lane Red Hook, NY 12571



Some format issues inherent in the e-media version may also appear in this print version.

Copyright© (2005) by the Association for Computational Linguistics All rights reserved.

Printed by Curran Associates, Inc. (2013)

For permission requests, please contact the Association for Computational Linguistics at the address below.

Association for Computational Linguistics 209 N. Eighth Street Stroudsburg, Pennsylvania 18360

Phone: 1-570-476-8006 Fax: 1-570-476-0860

acl@aclweb.org

Additional copies of this publication are available from:

Curran Associates, Inc. 57 Morehouse Lane Red Hook, NY 12571 USA

Phone: 845-758-0400 Fax: 845-758-2634

Email: curran@proceedings.com Web: www.proceedings.com

Table of Contents

Prefacei
Organizersii
Workshop Programiii
Detecting Segmentation Errors in Chinese Annotated Corpus Chengjie Sun, Chang-Ning Huang, Xiaolong Wang and Mu Li
Using Word-Pair Identifier to Improve Chinese Input System Jia-Lin Tsai
Chinese Deterministic Dependency Analyzer: Examining Effects of Global Features and Root Node Finder Yuchang Cheng, Masayuki Asahara and Yuji Matsumoto
Chinese Classifier Assignment Using SVMs Hui Guo and Huayan Zhong
Morphological features help POS tagging of unknown words across language varieties Huihsin Tseng, Daniel Jurafsky and Christopher Manning
Product Named Entity Recognition Based on Hierarchical Hidden Markov Model Feifan Liu, Jun Zhao, Bibo Lv, Bo Xu and Hao Yu
Chinese Sketch Engine and the Extraction of Grammatical Collocations Chu-Ren Huang, Adam Kilgarriff, Yiching Wu, Chih-Ming Chiu, Simon Smith, Pavel Rychly, Ming-Hong Bai and Keh-Jiann Chen
Word Meaning Inducing via Character Ontology: A Survey on the Semantic Prediction of Chinese Two-Character Words Shu-Kai Hsieh
Domain Specific Word Extraction from Hierarchical Web Documents: A First Step Toward Building Lexicon Trees from Web Corpora Jing-Shin Chang
Turn-Taking in Mandarin Dialogue: Interactions of Tone and Intonation Gina-Anne Levow
Learning a Log-Linear Model with Bilingual Phrase-Pair Features for Statistical Machine Translation Bing Zhao and Alex Waibel
Integrating Collocation Features in Chinese Word Sense Disambiguation Wanyin Li, Qin Lu and Wenjie Li
NIL Is Not Nothing: Recognition of Chinese Network Informal Language Expressions Yunqing Xia, Kam-Fai Wong and Wei Gao

The Robustness of Domain Lexico-Taxonomy: Expanding Domain Lexicon with CiLin Chu-Ren Huang, Xiang-Bing Li and Jia-Fei Hong
Some Studies on Chinese Domain Knowledge Dictionary and Its Application to Text Classification
Jingbo Zhu and Wenliang Chen
Resolving Pronominal References in Chinese with the Hobbs Algorithm Susan Converse
The Second International Chinese Word Segmentation Bakeoff Thomas Emerson
Combination of Machine Learning Methods for Optimum Chinese Word Segmentation Masayuki Asahara, Kenta Fukuoka, Ai Azuma, Chooi-Ling Goh, Yotaro Watanabe, Yuji Matsumoto and Takashi Tsuzuki
Unigram Language Model for Chinese Word Segmentation Aitao Chen, Yiping Zhou, Anne Zhang and Gordon Sun
Report To BMM-based Chinese Word Segmentor with Context-based Unknown Word Identifier for the Second International Chinese word Segmentation Bakeoff Jia-Lin Tsai
An Example-Based Chinese Word Segmentation System for CWSB-2 Chunyu Kit and Xiaoyue Liu
Chinese Word Segmentation in FTRD Beijing Heng Li, Yuan Dong, Xinnian Mao, Haila Wang and Wu Liu
Perceptron Learning for Chinese Word Segmentation Yaoyong Li, Chuanjiang Miao, Kalina Bontcheva and Hamish Cunningham154
Data-driven Language Independent Word Segmentation Using Character-Level Information Dong-Hee Lim and Seung-Shik Kang
A Maximum Entropy Approach to Chinese Word Segmentation Jin Kiat Low, Hwee Tou Ng and Wenyuan Guo161
Description of the HKU Chinese Word Segmentation System for Sighan Bakeoff 2005 Guohong Fu, Kang-Kwong Luke and Percy Ping-Wai Wong165
A Conditional Random Field Word Segmenter for Sighan Bakeoff 2005 Huihsin Tseng, Pichuan Chang, Galen Andrew, Daniel Jurafsky and Christopher Manning
Chinese Word Segmentation with Multiple Postprocessors in HIT-IRLab Huipeng Zhang, Ting Liu, Jinshan Ma and Xiantao Liao
Maximal Match Chinese Segmentation Augmented by Resources Generated from a Very Large Dictionary for Post-Processing Ka-Po Chow, Andy C. Chin and Wing Fu Tsoi

Wei Jiang, Jian Zhao, Yi Guan and Zhiming Xu	180
Two-Phase LMR-RC Tagging for Chinese Word Segmentation Tak Pang Lau and Irwin King	183
Chinese Word Segmentation in ICT-NLP ShuangLong Li	187
Towards a Hybrid Model for Chinese Word Segmentation Xiaofei Lu	189
Chinese Word Segmentation Based On Direct Maximum Entropy Model Wu-Guang Shi	193
A Hybrid Approach to Chinese Segmentation around CRFs Jun-sheng Zhou, Xin-yu Dai, Rui-yu Ni and Jia-jun Chen	196
Author Index	200