Third CIPS-SIGHAN Joint Conference on Chinese Language Processing

(CLP 2014)

Wuhan, China
20 - 21 October 2014

ISBN: 978-1-63439-414-7

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© (2014) by the Association for Computational Linguistics
All rights reserved.

Printed by Curran Associates, Inc. (2014)

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

Invited Talks

Research on Chinese discourse rhetorical structure representation scheme and corpus annotation
Guodong Zhou 1

The Construction of language Resource and Knowledge Base for Chinese Language Computing
Zhifang Sui 2

Research Papers

COV Model and its Application in Chinese Part-of-Speech Tagging
Xing Fukun and Song Rou 3

Maximum Entropy for Chinese Comma Classification with Rich Linguistic Features
Xiaojuan Li, Hua Yang and JiangPing Huang 11

Improving Bilingual Lexicon Extraction Performance from Comparable Corpora via Optimizing Translation Candidate Lists
Shaoqi Wang, Miao Li, Zede Zhu, Zhenxin Yang and Shizhuang Weng 18

Ch2R: A Chinese Chatter Robot for Online Shopping Guide
Peijie Huang, Xianmao Lin, Zeqi Lian, De Yang, Xiaoling Tang, Li Huang, Qiang Huang, Xiupeng Wu, Guisheng Wu and Xinrui Zhang 26

Improving Chinese Sentence Polarity Classification via Opinion Paraphrasing
Guohong Fu, Yu He, Jiaying Song and Chaoyue Wang 35

Problematic Situation Analysis and Automatic Recognition for Chinese Online Conversational System
Yang Xiang, Yaoyun Zhang, Xiaoqiang Zhou, Xiaolong Wang and Yang Qin 43

Segment-based Fine-grained Emotion Detection for Chinese Text
Odbal and Zengfu Wang 52

Bilingual Product Name Dictionary Construction Using a Two Stage Method
Yatian Shen and Xuanjing Huang 61

Detection on Inconsistency of Verb Phrase in TreeBank
Chaoqun Duan, Dequan Zheng, Conghui Zhu, Sheng Li and Hongye Tan 70

Local Phrase Reordering Model for Chinese-English Patent Machine Translation
Xiaodie Liu, Yun Zhu and Yaohong Jin 76

Sentence Alignment of Historical Classics based on Mode Prediction and Term Translation Pairs
Chao Che and Xiaojun Zheng 85

Bake-off Papers

The CIPS-SIGHAN CLP 2014 Chinese Word Segmentation Bake-off
Huiming Duan, Zhifang Sui and Tao Ge 90

Word Segmenter for Chinese Micro-blogging Text Segmentation – Report for CIPS-SIGHAN'2014 Bake-off
Lu Xiang, Xiaoqing Li and Yu Zhou 96

Leveraging Rich Linguistic Features for Cross-domain Chinese Segmentation
Guohua Wu, Dezhu He, Keli Zhong, Xue Zhou and Caixia Yuan 101

Personal Attributes Extraction in Chinese Text Bakeoff in CLP 2014: Overview
Ruifeng Xu, Shuai Wang, Feng Shi and Jian Xu 108

Personal Attributes Extraction Based on the Combination of Trigger Words, Dictionary and Rules
Kailun Zhang, Mingyin Wang, Xiaoyue Cong, Fang Huang, Hongfa Xue, Lei Li and Zhiqiao Gao 114

An Introduction to BLCU Personal Attributes Extraction System
Dong YU, Cheng YU, Qin QU, Gongbo TANG, Chunhua LIU, Yue TIAN and Jing YI 120

Overview of SIGHAN 2014 Bake-off for Chinese Spelling Check
Liang-Chih Yu, Lung-Hao Lee, Yuen-Hsien Tseng and Hsin-Hsi Chen 126

Extended HMM and Ranking Models for Chinese Spelling Correction
Jinhua Xiong, Qiao Zhang, Jianpeng Hou, Qianbo Wang, Yuanzhuo Wang and Xueqi Cheng . . 133

Chinese Word Spelling Correction Based on Rule Induction
Jui-Feng Yeh, Yun-Yun Lu, Chen-Hsien Lee, Yu-Hsiang Yu and Yong-Ting Chen 139

Evaluation Reportof the fourth Chinese Parsing Evaluation: CIPS-SIGHAN-ParsEval-2014
Qiang Zhou 146

Generative CCG Parsing with OOV Prediction
Huijia Wu 153

An Improved Graph Model for Chinese Spell Checking
Yang Xin, Hai Zhao, Yuzhu Wang and Zhongye Jia 157

Introduction to NJUPT Chinese Spelling Check Systems in CLP-2014 Bakeoff
Lei Gu, Yong Wang and Xitao Liang 167

Chinese Spelling Check System Based on Tri-gram Model
Qiang Huang, Peijie Huang, Xinrui Zhang, Weijian Xie, Kaiduo Hong, Bingzhou Chen and Lei Huang 173

Introduction to BIT Chinese Spelling Correction System at CLP 2014 Bake-off
Min Liu, Ping Jian and Heyan Huang 179

A mixed approach for Chinese word segmentation
Zhen Wang 186

Extraction system for Personal Attributes Extraction of CLP2014
Zhen Wang 189

A Study on Personal Attributes Extraction Based on the Combination of Sentences Classifications and Rules
Nan-chang Cheng, Cheng-qing Zong, Min Hou and Yong-lin Teng 192

Chinese Spell Checking Based on Noisy Channel Model
Hsun-wen Chiu, Jian-cheng Wu and Jason S. Chang 202

NTOU Chinese Spelling Check System in CLP Bake-off 2014
Wei-Cheng Chu and Chuan-Jie Lin 210

NCTU and NTUT's Entry to CLP-2014 Chinese Spelling Check Evaluation
Yih-Ru Wang and Yuan-Fu Liao 216

Chinese Spelling Error Detection and Correction Based on Language Model, Pronunciation, and Shape
Junjie Yu and Zhenghua Li 220