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The 9th SIGHAN Workshop on Chinese Language Processing

Proceedings of the SIGHAN-9 Workshop

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Introduction

The 9th SIGHAN Workshop on Chinese Language Processing (SIGHAN-9) at IJCNLP 2017, December 01, 2017, Taiwan

Growing interest in Chinese language processing is leading to the development of linguistic corpora and automatic tools. As more resources have become available recently, it is crucial to create a platform that allows easy exchange of information and data and the comparison of different approaches to various NLP tasks. Among about 20 SIGs within the Association for Computational Linguistics, SIGHAN (Special Interest Group on Chinese Language Processing) provides an umbrella for researchers in industry and academia working in various aspects of Chinese language processing. SIGHAN workshop provides an international forum for both researchers and practitioners to report their latest innovations, summarize state-of-the-art in the field, as well as exchange ideas, results, and visions in all aspects of Chinese language processing.

The previous SIGHAN workshop series were started in 2002. SIGHAN-1 was held in conjunction with COLING-02 (Taipei, Taiwan); SIGHAN-2 was held in conjunction with ACL-03 (Sapporo, Japan); SIGHAN-3 was held in conjunction with ACL-04 (Barcelona, Spain); SIGHAN-4 was held in conjunction with IJCNLP-05 (Jeju Island, Korea); SIGHAN-5 was held in conjunction with ACL-COLING-06 (Sydney, Australia); SIGHAN-6 was held in conjunction with IJCNLP-08 (Hyderabad, India); SIGHAN-7 was held in conjunction with IJCNLP-13 (Nagoya, Japan) and SIGHAN-8 was held in conjunction with ACL-IJCNLP 2015 (Beijing, China).

The purpose of the SIGHAN-9 is to identify challenging problems facing the development of Chinese language processing systems, and to shape future research directions through the publication of high quality, applied and theoretical research findings. We encourage submissions of papers on all topics in the general areas related to computational linguistics and speech/text processing of Chinese natural languages.

Organizers:

Yue Zhang, Singapore University of Technology and Design Zhifang Sui, Peking University

Program Committee:

Jie Yang, Singapore University of Technology and Design
Jiangming Liu, University of Edinburgh
Yu Yuan, Singapore University of Technology and Design
Yuze Gao, Singapore University of Technology and Design
Yanxia Qin, Harbin Institute of Technology
Shuailong Liang, Singapore University of Technology and Design
Deng Cai, Shanghai Jiao Tong University
Chenhua Chen, Singapore University of Technology and Design

Invited Speaker:

Yue Zhang, Singapore University of Technology and Design Wanxiang Che, Harbin Institute of Technology

Table of Contents

Group Linguistic Bias Aware Neural Response Generation Jianan Wang, Xin Wang, Fang Li, Zhen Xu, Zhuoran Wang and Baoxun Wang	1
Neural Regularized Domain Adaptation for Chinese Word Segmentation Zuyi Bao, Si Li, Weiran XU and Sheng GAO	11
The Sentimental Value of Chinese Sub-Character Components Yassine Benajiba, Or Biran, Zhiliang Weng, Yong Zhang and Jin Sun	21
Chinese Answer Extraction Based on POS Tree and Genetic Algorithm Shuihua Li, Xiaoming Zhang and Zhoujun Li	30
Learning from Parenthetical Sentences for Term Translation in Machine Translation Guoping Huang, Jiajun Zhang, Yu Zhou and Chengqing Zong	37

Conference Program

[8:00-9:00] Chinese Segmentation and POS-tagging Leveraging Heterogenous Corpora

Yue Zhang (Invited talk)

[9:00-9:25] *Group Linguistic Bias Aware Neural Response Generation* Jianan Wang, Xin Wang, Fang Li, Zhen Xu, Zhuoran Wang and Baoxun Wang

[9:25-9:50] *Neural Regularized Domain Adaptation for Chinese Word Segmentation* Zuyi Bao, Si Li, Weiran XU and Sheng GAO

[9:50-10:15] *The Sentimental Value of Chinese Sub-Character Components* Yassine Benajiba, Or Biran, Zhiliang Weng, Yong Zhang and Jin Sun

[10:15-11:00] *Coffe break*

[11:00-12:00] *Syntactic and Semantic Parsing* Wanxiang Che (**Invited talk**)

[12:00-12:25] Chinese Answer Extraction Based on POS Tree and Genetic Algorithm

Shuihua Li, Xiaoming Zhang and Zhoujun Li

[12:25-12:50] Learning from Parenthetical Sentences for Term Translation in Machine Translation

Guoping Huang, Jiajun Zhang, Yu Zhou and Chengqing Zong