Fifth Named Entity Workshop

(NEWS 2015)

Co-located with ACL-IJCNLP 2015

Beijing, China
31 July 2015

Editors:

Xiangyu Duan  Min Zhang
Rafael E. Banchs  Haizhou Li
A. Kumara

Table of Contents

Whitepaper of NEWS 2015 Shared Task on Machine Transliteration
Min Zhang, Haizhou Li, Rafael E. Banchs and A. Kumaran .................................................. 1

Report of NEWS 2015 Machine Transliteration Shared Task
Rafael E. Banchs, Min Zhang, Xiangyu Duan, Haizhou Li and A. Kumaran ......................... 10

Keynote Speech: How do you spell that? A journey through word representations
Greg Kondrak .................................................................................................................. 24

Boosting Named Entity Recognition with Neural Character Embeddings
Cicero dos Santos and Victor Guimarães ........................................................................... 25

Regularity and Flexibility in English-Chinese Name Transliteration
Oi Yee Kwong ............................................................................................................... 34

HAREM and Klue: how to put two tagsets for named entities annotation together
Livy Real and Alexandre Rademaker ................................................................. 43

Semi-supervised Learning for Vietnamese Named Entity Recognition using Online Conditional Random Fields
Quang Hong Pham, Minh-Le Nguyen, Thanh Binh Nguyen and Nguyen Viet Cuong .......... 50

Boosting English-Chinese Machine Transliteration via High Quality Alignment and Multilingual Resources
Yan Shao, Jörg Tiedemann and Joakim Nivre .......................................................... 56

Neural Network Transduction Models in Transliteration Generation
Andrew Finch, Lemao Liu, Xiaolin Wang and Eiichiro Sumita ..................................... 61

A Hybrid Transliteration Model for Chinese/English Named Entities —BJTU-NLP Report for the 5th Named Entities Workshop
Dandan Wang, Xiaohui Yang, Jinan Xu, Yufeng Chen, Nan Wang, Bojia Liu, Jian Yang and Yujie Zhang ................................................................. 67

Multiple System Combination for Transliteration
Garrett Nicolai, Bradley Hauer, Mohammad Salameh, Adam St Arnaud, Ying Xu, Lei Yao and Grzegorz Kondrak ......................................................... 72

Data representation methods and use of mined corpora for Indian language transliteration
Anoop Kunchukuttan and Pushpak Bhattacharyya ..................................................... 78

NCU IISR English-Korean and English-Chinese Named Entity Transliteration Using Different Grapheme Segmentation Approaches
Yu-Chun Wang, Chun-Kai Wu and Richard Tzong-Han Tsai ........................................ 83