ACL-IJCNLP 2015

Proceedings of the ACL 2015 Workshop on Novel Computational Approaches to Keyphrase Extraction

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Preface

The ACL 2015 Workshop on Novel Computational Approaches to Keyphrase Extraction was held on July 30, 2015 in Beijing, China as part of the 53rd annual meeting of the ACL and the 7th International Joint Conference on Natural Language Processing.

The workshop's goal was to bring together researchers addressing a wide-range of questions pertaining to the keyphrase extraction task as well as domain-specific applications involving the use of keyphrases.

The workshop program included two invited talks by researchers who are experts in the fields of data mining, information retrieval, and natural language processing: Prof. Min-Yen Kan from National University of Singapore and Dr. Preslav Nakov, senior scientist at Qatar Computing Research Institute.

After a rigorous review process, two long papers and three short papers were selected for inclusion into the workshop proceedings by the Program Committee. We hope that these papers summarize novel findings related to keyphrase extraction and invoke further research interest on this exciting topic.

We thank the authors, invited speakers, program committee members, and participants for sharing their research ideas and valuable time to be part of ACL Keyphrase!

–Organizers: Sujatha Das Gollapalli, Cornelia Caragea, Xiaoli Li, C. Lee Giles

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Madian Khabsa, The Pennsylvania State University

Invited Speakers:

Min-Yen Kan, National University of Singapore
Preslav Nakov, Qatar Computing Research Institute

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Workshop Program

Thursday, July 30, 2015

9.10-9.30	Opening Remarks
9.30-10.30	*Keywords, Phrases, Clauses and Sentences: Topicality, Indicativeness and Informativeness at Scales* *Invited Talk by* Min-Yen Kan
10.30-11.00	Coffee Break
11.00-11.30	*Technical Term Extraction Using Measures of Neology* Christopher Norman and Akiko Aizawa
11.30-12.00	*Counting What Counts: Decompounding for Keyphrase Extraction* Nicolai Erbs, Pedro Bispo Santos, Torsten Zesch and Iryna Gurevych
12.00-14.00	Lunch
14.00-15.00	*The Web as an Implicit Training Set: Application to Noun Compounds Syntax and Semantics* *Invited Talk by* Preslav Nakov
15.00-15.30	*Reducing Over-generation Errors for Automatic Keyphrase Extraction using Integer Linear Programming* Florian Boudin
15.30-16.00	Coffee Break
16.00-16.30	*TwittDict: Extracting Social Oriented Keyphrase Semantics from Twitter* Suppawong Tuarob, Wanghuan Chu, Dong Chen and Conrad Tucker
16.30-17.00	*Identification and Classification of Emotional Key Phrases from Psychological Texts* Apurba Paul and Dipankar Das
17.00-17.30	Closing Remarks and Discussion