

COLING 2010

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**Proceedings of the
8th Workshop on Asian Language
Resources**

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Preface

Language resources play a central role in statistical and learning-based approaches to natural language processing. Thus, recent research has put great emphasis in building these resources for target languages. Parallel resources across various languages are also being developed for multilingual processing. These include lexica and corpora with multiple levels of annotations. Though significant progress has been achieved in modeling few of the Asian languages, with the wider spread of ICT use across the region, there is a growing interest in this field from other linguistic communities. As research in the field matures across Asia, there is a growing need for developing language resources. However the region is not only short in the linguistic resources for more than 2200 language spoken in the region, there is also lack of experience in the researchers to develop these resources. As the efforts to develop the linguistic resources increases, there is also need to coordinate the efforts to develop common frameworks and processes so that these resources can be used by various groups of researchers equally effectively.

The workshop is organised by the Asian Language Resources Committee (ALRC) of Asian Federation for Natural Language Processing (AFNLP). The aim are to chart and catalogue the status of Asian Language Resources, to investigate and discuss the problems related to the standards and specification on creating and sharing various levels of language resources, to promote a dialogue between developers and users of various language resources in order to address any gaps in language resources and practical applications, and to nurture collaboration in their development and use, to provide opportunity for researchers from Asia to collaborate with researchers in other regions.

This is the eighth workshop in the series, and has been representative, with 35 submissions for Asian languages, including Bahasa Indonesia, Chinese, Dzongkha, Hindi, Japanese, Khmer, Sindhi, Sinhala, Thai, Turkish and Urdu, of which 22 have been finalized for presentation. We would like to thank the authors for their submissions and the Program Committee for their timely reviews. We hope that ALR workshops will continue to encourage researchers to focus on developing and sharing resources for Asian languages, an essential requirement for research in NLP.

ALR8 Workshop Organizers

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Hammam Riza, BPPT, Indonesia
(on behalf of ALRC, AFNLP)

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Conference Program

Saturday August 21, 2010

Semantics

- 9:00–9:25 *A Thesaurus of Predicate-Argument Structure for Japanese Verbs to Deal with Granularity of Verb Meanings*
Koichi Takeuchi, Kentaro Inui, Nao Takeuchi and Atsushi Fujita
- 9:25–9:50 *Collaborative Work on Indonesian WordNet through Asian WordNet (AWN)*
Chairil Hakim, Budiono Budiono and Hammam Riza
- 9:50–10:15 *Considerations on Automatic Mapping Large-Scale Heterogeneous Language Resources: Sejong Semantic Classes and KorLex*
Heum Park, Ae sun Yoon, Woo Chul Park and Hyuk-Chul Kwon
- 10:15–10:40 *Sequential Tagging of Semantic Roles on Chinese FrameNet*
Jihong LI, Ruibo WANG and Yahui GAO
- 10:40–11:00 Coffee Break

Semantics, Sentiment and Opinion

- 11:00–11:25 *Augmenting a Bilingual Lexicon with Information for Word Translation Disambiguation*
Takashi Tsunakawa and Hiroyuki Kaji
- 11:25–11:50 *Construction of bilingual multimodal corpora of referring expressions in collaborative problem solving*
Takenobu Tokunaga, Ryu Iida, Masaaki Yasuhara, Asuka Terai, David Morris and Anja Belz
- 11:50–12:15 *Labeling Emotion in Bengali Blog Corpus A Fine Grained Tagging at Sentence Level*
Dipankar Das and Sivaji Bandyopadhyay
- 12:15–12:40 *SentiWordNet for Indian Languages*
Amitava Das and Sivaji Bandyopadhyay
- 12:40–14:10 Lunch Break

Saturday August 21, 2010 (continued)

Opinion and Information Retrieval

- 14:10–14:35 *Constructing Thai Opinion Mining Resource: A Case Study on Hotel Reviews*
Choochart Haruechaiyasak, Alisa Kongthon, Pornpimon Palingoon and Chatchawal Sang-
keettrakarn
- 14:35–15:00 *The Annotation of Event Schema in Chinese*
Hongjian Zou, Erhong Yang, Yan Gao and Qingqing Zeng
- 15:00–15:25 *Query Expansion for Khmer Information Retrieval*
Channa Van and Wataru Kameyama

15:25–16:00 Coffee Break

Text Corpus

- 16:00–16:25 *Word Segmentation for Urdu OCR System*
Misbah Akram and Sarmad Hussain
- 16:25–16:50 *Dzongkha Word Segmentation*
Sithar Norbu, Pema Choejey, Tenzin Dendup, Sarmad Hussain and Ahmed Muaz
- 16:50–17:15 *Building NLP resources for Dzongkha: A Tagset and A Tagged Corpus*
Chungku Chungku, Jurmey Rabgay and Gertrud Faaß
- 17:15–17:40 *Unaccusative/Unergative Distinction in Turkish: A Connectionist Approach*
Cengiz Acarturk and Deniz Zeyrek

Sunday August 22, 2010

Grammars and Parsing

- 9:00–9:25 *A Preliminary Work on Hindi Causatives*
Rafiya Begum and Dipti Misra Sharma
- 9:25–9:50 *A Supervised Learning based Chunking in Thai using Categorical Grammar*
Thepchai Supnithi, Chanon Onman, Peerachet Porkaew, Taneth Ruangrajitpakorn,
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10:40–11:00 Coffee Break

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- 11:50–12:15 *Chained Machine Translation Using Morphemes as Pivot Language*
Li Wen, Chen Lei, Han Wudabala and Li Miao
- 12:15 Concluding Remarks and Discussion