International Journal of Computational Linguistics Research Volume 5 Number 4 December 2014

Contents

Editorial

Research

Identification and Interpretation of NSWs Using Variational Bayesian Inference in Bengali News Corpus-Chandan Kundu 109

A Devanagari Script based Stemmer - B. P. Pande, Pawan Tamta, H. S. Dhami 119

Scope Resolution of Logical Connectives in Natural Language Constraints - Shahzad Akbar, Imran Sarwar Bajwa 131

Book Review 140

Conference Notification 141

- Sixth International Conference on the Applications of Digital Information and Web Technologies (ICADIWT 2015)
- Fifth International Conference on Innovative Computing Technology (INTECH 2015)
- Fourth International Conference on Future Generation Communication Technologies (FGCT 2015)
Editorial

We are pleased to release the last issue of the fifth volume of the International Journal of Computational Linguistics Research. This issue has the following papers.

In the first paper on “Identification and Interpretation of NSWs Using Variational Bayesian Inference in Bengali News Corpus” the author Chandan Kundu has presented a model using variational Bayesian inference for identification and interpretation of Non Standard Words in Bengali news corpus. He did good experimentation in this study. Pande, Pawan Tamta and Dhami in their paper on “A Devanagari Script based Stemmer” used the English corpus for coded words of Devanagari script which is a classical language in India. For this work, they used the technique of Romanization and the stemmer is being tested over 100 randomly chosen Hindi words.

In the last paper on “Scope Resolution of Logical Connectives in Natural Language Constraints” the authors Shahzad Akbar and Imran Sarwar Bajwa proposed a new technique for handling the scope of logical operators used in NL constraints by using the Markov Logic. Authors have expected that the correct translation of business constraints into formal specifications is possible using the introduced techniques.

The published papers contribute to the growth of computational linguistics.

Editors