

---

## Journal of Computational Linguistics Research Volume 2 Number 1 March 2011

---

### Contents

Editorial

i

### Research

Web-based Architecture RES based on finite-state machines for distributed evaluation and development of speech synthesis systems-  
Matej Rojc

1

TelStem: An Unsupervised Telugu Stemmer with Heuristic Improvements and Normalized Signatures-  
A.P. Siva Kumar, P. Premchand, A. Govardhan

13

A Computational Feature-Based Morphological Analysis and Generation of Modern Standard Arabic-  
Mourad Gridach, Nouredine Chenfour

24

Performance Evaluation of Preference Queries Techniques over a High Multidimensional Database-  
Ali A. Alwan, Hamidah Ibrahim, Tan Chik Yip, Fatimah Sidi, Nur Izura Udzir, Nurul Husna Mohd Saad

37

## **Editorial**

### **International Journal of Computational Linguistics Research (IJCLR)**

The first issue of the second volume of the **International Journal of Computational Linguistics Research (IJCLR)** follows a huge double issue on cognitive agents in computational linguistics. As the journal starts its second year in publication, it continues to affirm the editorial team commitment to provide a forum to computational linguistics community working on languages other than English. Often this community struggles to find the outposts to publish their findings and developments. This becomes even harder when languages, other than European Latin-based languages, are considered.

In its second year, we aim to go further and provide a platform for research done in the wider scope of Computational Linguistics and Language Engineering. This includes but not limited to ontologies, web technologies and preference modeling. We also aim to extend this forum to include reports on new research explorations in language engineering to accompany advances in voice recognition and synthesis and the exciting research in cognitive auditory with specific focus on natural languages.

It is a pleasure to see the first issue of IJCLR in its second year emerging after months of hard work and several papers being reviewed. There are exciting plans ahead and exciting year of development at the IJCLR.

#### **Editor-in-chief**