Association for Computational Linguistics

EAACL 2003

10th Conference of The European Chapter

Proceedings of the Workshop on Morphological Processing of Slavic Languages

April 13th 2003
Agro Hotel, Budapest, Hungary
Association for Computational Linguistics

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INTRODUCTION

This volume contains the papers accepted for the EACL-03 workshop on Morphological Processing of Slavic Languages held in Budapest on April 13, 2003, just preceding the 11th Conference of the European Chapter of the Association for Computational Linguistics.

The aim of this workshop was to present, in one place, different aspects of the morphological processing of Slavic languages and to establish the current relation between linguistic knowledge and the possibilities of fulfilling the computational needs for Slavic languages. Different approaches to modelling morphological structure, to lexical and corpus annotation and to processing morphological information have been developed, and some of them for more than one language. Yet annotation schemes, morphological analysers, part-of-speech taggers or language resources that encompass all - or even a larger number of - Slavic languages are rare. At the same time, a systematic review of existing approaches to the morphological processing of Slavic languages and their relations does not yet exist.

The topic of the workshop was the morphological computational analysis and annotation of Slavic languages, encountered on both the inflective and the derivational levels. The workshop discussed the lexical structures necessary for morphological analysis and presented standardisation efforts in the field that can, for instance, enable the transfer of applied methods from one language to another, or aid in the annotation of morphological information in corpora. In addition to resources, these papers also discuss methods for word-level syntactic tagging, lexicon acquisition, collocation and term extraction.

From the fifteen papers submitted for this workshop, the reviewers selected the twelve papers included in these proceedings. The papers cover seven Slavic languages - Bulgarian, Czech, Croatian, Polish, Russian, Serbian, and Slovenian - as well as the majority of suggested workshop topics. The organisers and editors would like to thank the reviewers as well as the authors for their work in making the Workshop on Morphological Processing of Slavic Languages a success.

Tomaž Erjavec & Duško Vitas

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WORKSHOP PROGRAMME

Sunday, April 13

8:45-9:00   Welcome

09:00-09:30  Relations between Inflectional and Derivation Patterns
             Karel Pala, Radek Sedláček and Marek Veber

09:30-10:00  A Large-scale Inheritance-based Morphological Lexicon for Russian
             Roger Evans, Carole Tiberius, Dunstan Brown and Greville C. Corbett

10:00-10:30  Automatic Lexical Acquisition from Raw Corpora: An Application to Russian
             Antoni Oliver, Irene Castellón and Lluís Márquez

10:30-11:00  Morning Break

11:00-11:30  The MULTEXT-East Morphosyntactic Specification for Slavic Languages
             Tomaž Erjavec, Cvetana Kristev, Vladimir Petković, Kiril Simov,
             Marko Tadić and Duško Vitas

11:30-12:00  A Flexemic Tagset for Polish
             Adam Przepiórkowski and Marcin Wolński

12:00-12:30  Building the Croatian Morphological Lexicon
             Marko Tadić and Sanja Fulgoši

12:30-14:00  Lunch

14:00-14:30  Unsupervised Learning of Bulgarian POS Tags
             Derrick Higgins

14:30-15:00  Composite Tense Recognition and Tagging in Serbian
             Duško Vitas and Cvetana Kristev

15:00-15:30  A Reconfigurable Stochastic Tagger for Languages with Complex Tag Structure
             Łukasz Dębowski

15:30-16:00  Afternoon Break

16:00-16:30  Some Aspects of the Morphological Processing of Bulgarian
             Milena Slavcheva

16:30-17:00  Morpho-syntactic Clues for Terminological Processing in Serbian
             Goran Nenadić, Irena Spasić and Sophia Ananiadou

17:00-17:30  Russian Morphology: Resources and Java Software Application
             Serge Yablonsky

17:30-18:30  Round Table
             Slavic Languages: Between Linguistic Description and Computational Needs
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