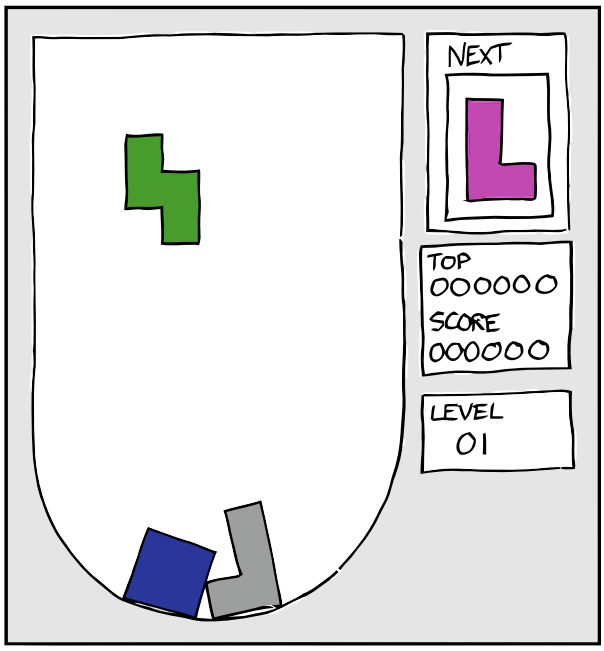
IWPT 2011

The Second Workshop on Statistical Parsing of Morphologically Rich Languages (SPMRL 2011)



Proceedings of SPMRL 2011

October 6, 2011
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Forewords

Welcome to the second workshop on Statistical Parsing of Morphologically Rich Languages!
Following the warm reception of the first official SPMRL workshop at NAACL-HLT 2010, our aim with the second workshop is to build upon the success of the first and offer a platform to the growing community of people who are interested in developing tools and resources for parsing MRLs. We decided to collocate with the International Workshop on Parsing Technologies (IWPT), both because the themes of the two events are so closely related and because the seeds of the SPMRL workshop were planted during IWPT 2009 in Paris. The warm welcome and support of the IWPT community made it our unequivocal choice, and we are honored and pleased to collocate our second SPMRL workshop with this year's IWPT event

Fourteen papers were submitted in total to the workshop. After two withdrawals,we chose to accept four long papers and four short papers, giving an acceptance rate of 66%. Our goal during the selection process was to produce a varied, balanced and interesting program without compromising on quality, and we believe that we have achieved this goal. This year's papers cover a broad range of languages (Arabic, Basque, French, German, Hindi, Korean,Turkish) and are concerned with the most pressing issues (handling discontinuity, incorporating morphological information, the problems of real-world text) over a range of parsing approaches (discriminative and generative, constituency and dependency) We believe that they will result in a lively and productive workshop.

We are continuing the SPMRL tradition of ending the workshop with a panel discussion. We are very proud of this year's panel and are very grateful to our panellists (Josef van Genabith , James Henderson, Joakim Nivre, Slav Petrov and Yannick Versley) for agreeing to participate. This year's main theme for the panel will be the design of a shared task on parsing MRLs, in the face of various challenges that emerge when going beyond English and the WSJ Penn Treebank. A typical challenge when moving away from parsing English to other languages, is, for instance, the nature of the input, which consists of unanalyzed non-gold word tokens. Additional challenges have to do with the typological diversity of the syntactic structures and sound evaluation across experiments using different corpora. Our ultimate goal in this panel will be to tease apart the various issues we need to address and understand how we might organize a shared task that will bring our burgeoning field forward.

Finally, we would like to express our gratitude to the following people who helped us organise SPMRL 2011: the IWPT chairs, Joakim Nivre and his limitless availibility, Özlem Çetinoğlu and Harry Bunt, Alon Lavie and Kenji Sagae from SIGPARSE who continue to support this workshop, Josef van Genabith, Laurence Danlos and, last but not least, our very knowledgeable and hard-working review committee who did a sterling job during the off-peak review season. Thanks guys!

The SPMRL 2011 Program Committee

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Panelists:

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James Henderson (Université de Geneve, Switzerland)
Joakim Nivre (Uppsala University, Sweden)
Slav Petrov (Google Research NY, USA)
Reut Tsarfaty (Chair, Uppsala University, Sweden)
Yannick Versley (University of Tübingen, Germany)

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Jinho D. Choi and Martha Palmer

Morphological Features for Parsing Morphologically-rich Languages: A Case of Arabic
Jon Dehdari, Lamia Tounsi and Josef van Genabith

French parsing enhanced with a word clustering method based on a syntactic lexicon
Anthony Sigogne, Matthieu Constant and Eric Laporte

Testing the Effect of Morphological Disambiguation in Dependency Parsing of Basque
Kepa Bengoetxea, Arantza Casillas and Koldo Gojenola

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Discontinuous Data-Oriented Parsing: A mildly context-sensitive all-fragments grammar
Andreas van Cranenburgh, Remko Scha and Federico Sangati

Multiword Expressions in Statistical Dependency Parsing
Gulsen Erygit, Tugay Ilbay and Ozan Arkan Can

Linguistically Rich Graph Based Data Driven Parsing For Hindi
Samar Husain, Raghu Pujitha Gade and Rajeev Sangal

Data point selection for self-training
Ines Rehbein

Thursday October 6, 2011 (continued)

16:15-16:25 **Short Break**

16:25-17:25 **Discussion Panel: Josef van Genabith, James Hendersen, Joakim Nivre, Slav Petrov, Yannick Versley** (Chair: Reut Tsarfaty)

17:25-17:30 **Concluding Remarks**