

CoNLL-2009: Shared Task

Proceedings of the
**Thirteenth Conference on Computational
Natural Language Learning (CoNLL):
Shared Task**

Conference Chairs:
Suzanne Stevenson and Xavier Carreras

Shared Task Organizing Committee Chair:
Jan Hajič

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acl@aclweb.org

Introduction

Welcome to the CoNLL-2009 Shared Task!

The Shared Task of the 2009 Conference on Computational Natural Language Learning was prepared under the auspices of the ACL Special Interest Group on Natural Language Learning as part of the conference. The task, Syntactic and Semantic Dependencies in Multiple Languages, extends the 2008 task to six more languages. It has attracted over 60 teams, out of which 20 submitted a valid entry in this friendly competition enterprise. In this volume, 18 papers describe the methodology and results of these systems. The details on the data format design and preparation, their basic statistics, and summary of the results and system approaches can be found in the overview paper that opens this volume. The task maintains its own website, <http://ufal.mff.cuni.cz/conll2009-st>, where all the details (including results) can be found.

We would like to thank the data providers and the members of the organization team for preparing, merging and converting the data. Special thanks go to Jan Štěpánek, who centrally handled all data checking and repackaging for distribution, and to the LDC team who made their data available to the CoNLL-2009 Shared Task participants free of charge and helped with the licensed data distribution. The website has been maintained also by Jan Štěpánek, Pavel Straňák and Jan Hajič. Massimiliano Ciaramita has overseen the paper submission and reviewing process and the preparation of these proceedings. And of course, we would like to thank the authors of the submitted systems (who additionally also served as paper reviewers) - without them, the Shared Task would have been a meaningless exercise!

We hope that you will enjoy the papers describing the systems submitted. Let them inspire you in your own research!

Prague, April 23, 2009

Jan Hajič, for the Shared Task organizers

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Jan Hajič (chair), Charles University in Prague (Czech Republic)
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Mihai Surdeanu, Stanford University (USA)
Nianwen (Bert) Xue, Brandeis University, Boston (USA)
Yi Zhang, DFKI GmbH, Saarbrücken (Germany)

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Table of Contents

<i>The CoNLL-2009 Shared Task: Syntactic and Semantic Dependencies in Multiple Languages</i> Jan Hajič, Massimiliano Ciaramita, Richard Johansson, Daisuke Kawahara, Maria Antònia Martí, Lluís Màrquez, Adam Meyers, Joakim Nivre, Sebastian Padó, Jan Štěpánek, Pavel Straňák, Mihai Surdeanu, Nianwen Xue and Yi Zhang	1
<i>An Iterative Approach for Joint Dependency Parsing and Semantic Role Labeling</i> Qifeng Dai, Enhong Chen and Liu Shi	19
<i>Joint Memory-Based Learning of Syntactic and Semantic Dependencies in Multiple Languages</i> Roser Morante, Vincent Van Asch and Antal van den Bosch	25
<i>Hybrid Multilingual Parsing with HPSG for SRL</i> Yi Zhang, Rui Wang and Stephan Oepen	31
<i>A Latent Variable Model of Synchronous Syntactic-Semantic Parsing for Multiple Languages</i> Andrea Gesmundo, James Henderson, Paola Merlo and Ivan Titov	37
<i>Multilingual Semantic Role Labeling</i> Anders Björkelund, Love Hafdel and Pierre Nugues	43
<i>Multilingual Dependency-based Syntactic and Semantic Parsing</i> Wanxiang Che, Zhenghua Li, Yongqiang Li, Yuhang Guo, Bing Qin and Ting Liu	49
<i>Multilingual Dependency Learning: A Huge Feature Engineering Method to Semantic Dependency Parsing</i> Hai Zhao, Wenliang Chen, Chunyu Kity and Guodong Zhou	55
<i>Multilingual Dependency Learning: Exploiting Rich Features for Tagging Syntactic and Semantic De- pendencies</i> Hai Zhao, Wenliang Chen, Jun'ichi Kazama, Kiyotaka Uchimoto and Kentaro Torisawa	61
<i>Efficient Parsing of Syntactic and Semantic Dependency Structures</i> Bernd Bohnet	67
<i>Exploring Multilingual Semantic Role Labeling</i> Baoli Li, Martin Emms, Saturnino Luz and Carl Vogel	73
<i>A Second-Order Joint Eisner Model for Syntactic and Semantic Dependency Parsing</i> Xavier Lluís, Stefan Bott and Lluís Màrquez	79
<i>Multilingual Semantic Role Labelling with Markov Logic</i> Ivan Meza-Ruiz and Sebastian Riedel	85
<i>The Crotal SRL System : a Generic Tool Based on Tree-structured CRF</i> Erwan Moreau and Isabelle Tellier	91

<i>Parsing Syntactic and Semantic Dependencies for Multiple Languages with A Pipeline Approach</i> Han Ren, Donghong Ji, Jing Wan and Mingyao Zhang	97
<i>Multilingual Semantic Parsing with a Pipeline of Linear Classifiers</i> Oscar Täckström	103
<i>A Joint Syntactic and Semantic Dependency Parsing System based on Maximum Entropy Models</i> Buzhou Tang, Lu Li, Xinxin Li, Xuan Wang and Xiaolong Wang	109
<i>Multilingual Syntactic-Semantic Dependency Parsing with Three-Stage Approximate Max-Margin Linear Models</i> Yotaro Watanabe, Masayuki Asahara and Yuji Matsumoto	114
<i>A Simple Generative Pipeline Approach to Dependency Parsing and Semantic Role Labeling</i> Daniel Zeman	120

Conference Program

Thursday, June 4, 2009

Shared Task Session 1: Overview and Oral Presentations

- 14:00–14:20 *The CoNLL-2009 Shared Task: Syntactic and Semantic Dependencies in Multiple Languages*
Jan Hajič, Massimiliano Ciaramita, Richard Johansson, Daisuke Kawahara, Maria Antònia Martí, Lluís Màrquez, Adam Meyers, Joakim Nivre, Sebastian Padó, Jan Štěpánek, Pavel Straňák, Mihai Surdeanu, Nianwen Xue and Yi Zhang
- 14:20–14:30 *An Iterative Approach for Joint Dependency Parsing and Semantic Role Labeling*
Qifeng Dai, Enhong Chen and Liu Shi
- 14:30–14:40 *Joint Memory-Based Learning of Syntactic and Semantic Dependencies in Multiple Languages*
Roser Morante, Vincent Van Asch and Antal van den Bosch
- 14:40–14:50 *Hybrid Multilingual Parsing with HPSG for SRL*
Yi Zhang, Rui Wang and Stephan Oepen
- 14:50–15:00 *A Latent Variable Model of Synchronous Syntactic-Semantic Parsing for Multiple Languages*
Andrea Gesmundo, James Henderson, Paola Merlo and Ivan Titov
- 15:00–15:10 *Multilingual Semantic Role Labeling*
Anders Björkelund, Love Hafdell and Pierre Nugues
- 15:10–15:20 *Multilingual Dependency-based Syntactic and Semantic Parsing*
Wanxiang Che, Zhenghua Li, Yongqiang Li, Yuhang Guo, Bing Qin and Ting Liu
- 15:20–15:30 *Multilingual Dependency Learning: A Huge Feature Engineering Method to Semantic Dependency Parsing*
Hai Zhao, Wenliang Chen, Chunyu Kity and Guodong Zhou
- 15:30–15:40 *Multilingual Dependency Learning: Exploiting Rich Features for Tagging Syntactic and Semantic Dependencies*
Hai Zhao, Wenliang Chen, Jun'ichi Kazama, Kiyotaka Uchimoto and Kentaro Torisawa
- 15:40–16:10 **Coffee Break**

Thursday, June 4, 2009 (continued)

Shared Task Session 2: Poster Session (16:10–18:00)

Multilingual Semantic Role Labeling

Anders Björkelund, Love Hafdell and Pierre Nugues

Efficient Parsing of Syntactic and Semantic Dependency Structures

Bernd Bohnet

Multilingual Dependency-based Syntactic and Semantic Parsing

Wanxiang Che, Zhenghua Li, Yongqiang Li, Yuhang Guo, Bing Qin and Ting Liu

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Multilingual Semantic Parsing with a Pipeline of Linear Classifiers

Oscar Täckström

Thursday, June 4, 2009 (continued)

A Joint Syntactic and Semantic Dependency Parsing System based on Maximum Entropy Models

Buzhou Tang, Lu Li, Xinxin Li, Xuan Wang and Xiaolong Wang

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