ACL HLT 2011

Workshop on Cognitive Modeling and Computational Linguistics

Proceedings of the Workshop

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Introduction

The papers in these proceedings were presented at the *2nd Workshop on Cognitive Modeling and Computational Linguistics* (CMCL), held at ACL HLT in Portland, Oregon on 23 June 2011.

The aim of the CMCL workshop series is to provide a forum for research that applies methods from computational linguistics to problems in the cognitive modeling of human language. It is the ambition of CMCL to encompass a broad spectrum of work in the cognitive science of language. This is reflected in the program of this year's CMCL, which includes work modeling morphological, phonological, syntactic, semantic, and discourse processing. A similarly broad range of cognitive processes is represented by the papers in the workshop, including models of the comprehension, production, and acquisition of language, as well as work on perceptual aspects of language (such as reading and color associations), and on atypical language.

We were pleased to receive 27 submissions, of which we accepted twelve papers for presentation at the workshop. We would like to thank the program committee for the excellent job they did in reviewing the submissions.

Frank Keller
David Reitter

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Conference Program

June 23, 2011

08:50-09:00 Opening Remarks by Frank Keller, David Reitter

09:00–09:30 *Testing the Robustness of Online Word Segmentation: Effects of Linguistic Diversity and Phonetic Variation*
Luc Boruta, Sharon Peperkamp, Benoît Crabbé and Emmanuel Dupoux

09:30–10:00 *A Bayesian Belief Updating Model of Phonetic Recalibration and Selective Adaptation*
Dave Kleinschmidt and T. Florian Jaeger

10:00–10:30 *Unsupervised Syntactic Chunking with Acoustic Cues: Computational Models for Prosodic Bootstrapping*
John Pate and Sharon Goldwater

10:30-11:00 Morning Break

11:00–11:30 *A Statistical Test for Grammar*
Charles Yang

11:30–12:00 *Top-Down Recognizers for MCFGs and MGs*
Edward Stabler

12:00–12:30 *Exploring the Relationship Between Learnability and Linguistic Universals*
Anna N. Rafferty, Thomas L. Griffiths and Marc Ettlinger

12:30-14:00 Lunch Break

14:00–14:30 *Composing and Updating Verb Argument Expectations: A Distributional Semantic Model*
Alessandro Lenci

14:30–15:00 *WM Load Influences the Interpretation of Referring Expressions*
Jacolien van Rij, Hedderik van Rijn and Petra Hendriks

15:00–15:30 *Chameleons in Imagined Conversations: A New Approach to Understanding Coordination of Linguistic Style in Dialogs*
Cristian Danescu-Niculescu-Mizil and Lillian Lee

15:30-16:00 Afternoon Break

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16:00–16:30 *Classification of Atypical Language in Autism*
Emily T. Prud'hommeaux, Brian Roark, Lois M. Black and Jan van Santen

16:30–17:00 *Colourful Language: Measuring Word-Colour Associations*
Saif Mohammad

17:00–17:30 *A Survival Analysis of Fixation Times in Reading*
Mattias Nilsson and Joakim Nivre