NAACL HLT 2009

Computational Approaches to Linguistic Creativity

Proceedings of the Workshop

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Introduction

It is generally agreed upon that linguistic creativity is a unique property of human language. Some claim that linguistic creativity is expressed in our ability to combine known words in a new sentence, others refer to our skill to express thoughts in figurative language, and yet others talk about syntactic recursion and lexical creativity. Computational systems incorporating models of linguistic creativity operate on different types of data, including written text, audio/speech/sound, and video/images/gestures. Creativity-aware systems will improve the contribution Computational Linguistics has to offer to many practical areas, including education, entertainment, and engineering.

The idea behind the 2009 workshop on Computational Approaches to Linguistic Creativity (CALC) originated in our own previous activities, including the organization of the 2007 NAACL-HLT workshop on Figurative Language Processing and work within the Story Generator Algorithms project (German Research Foundation grant ME-1546/2-1). We are well aware of the fact that each single linguistic creativity phenomenon is challenging to describe, detect, or generate on its own. Consequently, the main goal of the present workshop is to provide a venue for researchers to inform each other and the NLP community at large of the state of the art of current systems.

Yet, linguistic creativity phenomena are intertwined with others, and with each other. To illustrate, metaphorical concepts are related to their lexical and syntactical surface realization; the events of a story are expressed by narrator and character speech; and humor involves semantic, situational, and cultural knowledge. With twelve peer-reviewed contributions covering a wide range of phenomena related to linguistic creativity, the workshop will thus strengthen research and foster collaboration in the field. At the same time, it will contribute to a better understanding of the new issues and challenges that need to be tackled.

For CALC 2009, we received a total of 19 submissions coming from 13 different countries. Eight papers were accepted for oral presentation and four were selected for a poster session. We are especially grateful to the authors who submitted excellent papers and to our hard working program committee. We would like to express our enormous gratitude to the U.S. National Science Foundation (IIS award #: 0906244) for the generous support of the workshop which allowed many participants from three continents to attend the workshop and present their work. Particular thanks go to the invited speaker, Nick Montfort (MIT), who kindly agreed to give a talk on Interactive Fiction, and whose paper is included in this volume. Last but not least, we want to thank Christy Doran and Eric Ringger, the publication chairs.

Anna Feldman and Birte Lönneker-Rodman

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Nick Montfort, Massachusetts Institute of Technology, USA

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Conference Program

Thursday, June 4, 2009

8:30–9:15	Coffee Session
9:15-9:20	Welcome and Introduction to CALC-09
	Session 1: Metaphors and Eggcorns
9:20–9:45	Discourse Topics and Metaphors Beata Beigman Klebanov, Eyal Beigman and Daniel Diermeier
9:45–10:10	Topic Model Analysis of Metaphor Frequency for Psycholinguistic Stimuli Steven Bethard, Vicky Tzuyin Lai and James H. Martin
10:10–10:35	Understanding Eggcorns Sravana Reddy
10:35-11:00	Morning break
	Session 2: Generating Creative Texts
11:05–11:30	Automatically Extracting Word Relationships as Templates for Pun Generation Bryan Anthony Hong and Ethel Ong
11:30–11:55	Gaiku: Generating Haiku with Word Associations Norms Yael Netzer, David Gabay, Yoav Goldberg and Michael Elhadad

Thursday, June 4, 2009 (continued)

Poster Session 1

12:00–12:15	Automatic Generation of Tamil Lyrics for Melodies Ananth Ramakrishnan A., Sankar Kuppan and Sobha Lalitha Devi
12:15–12:30	Quantifying Constructional Productivity with Unseen Slot Members Amir Zeldes
12:30–14:00	Lunch
	Invited Talk
14:00–15:00	Curveship: An Interactive Fiction System for Interactive Narrating Nick Montfort
	Poster Session 2
15:00–15:15	Planning Author and Character Goals for Story Generation Candice Solis, Joan Tiffany Siy, Emerald Tabirao and Ethel Ong
15:15–15:30	An Unsupervised Model for Text Message Normalization Paul Cook and Suzanne Stevenson
15:30–16:00	Afternoon Break
	Session 3: From Morphology to Pragmatics to Text
16:00–16:25	Morphological Productivity Rankings of Complex Adjectives Stefano Vegnaduzzo
16:25–16:50	How Creative is Your Writing? Xiaojin Zhu, Zhiting Xu and Tushar Khot
16:50–17:15	'Sorry' is the hardest word Allan Ramsay and Debora Field
17:15–17:30	Summary and General Discussion