ACL-IJCNLP 2009

TextInfer 2009

2009 Workshop on Applied Textual Inference

Proceedings of the Workshop

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Introduction

Applied textual inference has attracted a significant amount of attention in recent years. Recognizing textual entailments and detecting semantic equivalences between texts are at the core of many NLP tasks, including question answering, information extraction, text summarization, and many others. Developing generic algorithms and resources for inference and paraphrasing would therefore be applicable to a broad range of NLP applications.

The success of the first three Recognizing Textual Entailment (RTE) Pascal challenges and the high participation in this year's NIST-organized RTE challenge show that there is a very substantial interest in the area among the research community. RTE and paraphrase detection tasks have considerably stimulated research in the area of applied semantics, and computational models for textual inference are becoming more and more reliable and accurate as a result.

The goal of this workshop is to provide a common forum where people can discuss and compare novel ideas, models and tools for textual inference and paraphrasing. The workshop follows previous ACL workshops on these topics (the ACL workshop on "Empirical Modeling of Semantic Equivalence and Entailment", 2005, and the joint ACL-PASCAL workshop "Textual Entailment and Paraphrasing", 2007). This line of workshops goes in parallel with the RTE challenges, now organized by NIST, by promoting a deeper understanding of what are the scientific achievements and the new findings emerging in the field.

We would like to thank all the people that made this workshop possible: the people that submitted a paper, the reviewers, and the participants.

Enjoy the workshop!

The workshop organizers,

Chris Callison-Burch, John Hopkins University (Program Co-chair) Ido Dagan, Bar Ilan University Christopher Manning, University of Stanford Marco Pennacchiotti, Yahoo Research Labs Fabio Massimo Zanzotto, University of Rome "Tor Vergata" (Program Co-chair)

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Conference Program

Thursday, August 6, 2009

8:45-9:00	Opening Remarks
	Session 1: Foundational Aspects and Linguistic Analysis of Textual Entailment
9:00–9:30	<i>Multi-word expressions in textual inference: Much ado about nothing?</i> Marie-Catherine de Marneffe, Sebastian Pado and Christopher D. Manning
9:30–10:00	A Proposal on Evaluation Measures for RTE Richard Bergmair
10:00-10:30	Coffee Break
10:30-11:00	Sub-sentencial Paraphrasing by Contextual Pivot Translation Aurélien Max
11:00-12:00	Invited Talks
12:00-13.50	Lunch
	Session 2: Learning Textual Entailment Rules and Building Corpora
13:50-14:20	Augmenting WordNet-based Inference with Argument Mapping Idan Szpektor and Ido Dagan
14:20-14:50	<i>Optimizing Textual Entailment Recognition Using Particle Swarm Optimization</i> Yashar Mehdad and Bernardo Magnini
14:50–15:10	Ranking Paraphrases in Context Stefan Thater, Georgiana Dinu and Manfred Pinkal
15:10-15:30	Building an Annotated Textual Inference Corpus for Motion and Space Kirk Roberts
15:30-16:00	Coffee Break

Thursday, August 6, 2009 (continued)

Session 3: Machine Learning Models and Application of Textual Inference

16:00–16:30	Using Hypernymy Acquisition to Tackle (Part of) Textual Entailment Elena Akhmatova and Mark Dras
16:30-17:00	Automating Model Building in c-rater Jana Sukkarieh and Svetlana Stoyanchev

- 17:00–17:20 *Presupposed Content and Entailments in Natural Language Inference* David Clausen and Christopher D. Manning
- 17:20–18:00 Final Panel and Discussion