

NAACL HLT 2010

**Workshop on
Computational Approaches to
Analysis and Generation of
Emotion in Text**

Proceedings of the Workshop

June 5, 2010
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Introduction

The automatic detection of emotions in texts and the generation of texts that express emotions is important for applications such as natural language interfaces, e-learning environments, and educational or entertainment games. These aspects are also important in opinion mining and sentiment analysis, and in the larger area of affective computing.

This workshop provides a forum for discussion between leading names and researchers involved in processing emotions in the context of natural language understanding, natural language generation, or applications in which computational approaches to the processing of emotions are useful.

Topics of interest include, but are not limited to: emotion analysis in sentences and documents; classification of texts by emotion and mood; the generation of sentences that express emotions; emotion processing across different languages; the analysis of sentiment and opinion that contains emotional aspects; argumentation that includes emotions and opinions; emotion analysis in automatic speech transcripts; applications in which affective aspects are beneficial; other aspects of the computational treatment of emotion and affect.

We would like to thank all the authors who submitted papers for the hard work that went behind their submissions. We express our deepest gratitude to the committee members for their thorough reviews. We also thank the NAACL-HLT 2010 organizers for their help with administrative matters.

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Stan Szpakowicz (University of Ottawa, Canada)
Theresa Wilson (University of Edinburgh, UK)
Maite Taboada (Simon Fraser University, Canada)

Invited Speaker: Oren Glickman (MoodBase.com),
Emotion Analysis as a Means of Categorizing Content

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Workshop Program

Saturday, June 5, 2010

- 9:00–9:10 Opening
- 9:10–10:00 Invited talk: Emotion analysis as a means of categorizing content, Oren Glickman
- 10:05–10:30 *Emotion Analysis Using Latent Affective Folding and Embedding*
Jerome Bellegarda
- 10:30–11:00 Coffee Break
- 11:00–11:25 *Emotion Detection in Email Customer Care*
Narendra Gupta, Mazin Gilbert and Giuseppe Di Fabbrizio
- 11:25–11:50 *Toward Plot Units: Automatic Affect State Analysis*
Amit Goyal, Ellen Riloff, Hal Daume III and Nathan Gilbert
- 11:50–12:15 *Emotions Evoked by Common Words and Phrases: Using Mechanical Turk to Create an Emotion Lexicon*
Saif Mohammad and Peter Turney
- 12:15–2:00 Lunch Break
- 2:00–2:25 *A Corpus-based Method for Extracting Paraphrases of Emotion Terms*
Fazel Keshtkat and Diana Inkpen
- 2:25–2:50 *A Text-driven Rule-based System for Emotion Cause Detection*
Sophia Yat Mei Lee, Ying Chen and Chu-Ren Huang
- 2:50–3:15 *Wishful Thinking - Finding suggestions and 'buy' wishes from product reviews*
J Ramanand, Krishna Bhavsar and Niranjana Pedanekar
- 3:15–3:45 Coffee Break
- 3:45–4:10 *Evaluation of Unsupervised Emotion Models to Textual Affect Recognition*
Sunghwan Mac Kim, Alessandro Valitutti and Rafael A. Calvo

Saturday, June 5, 2010 (continued)

4:10–5:30 Poster Session

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