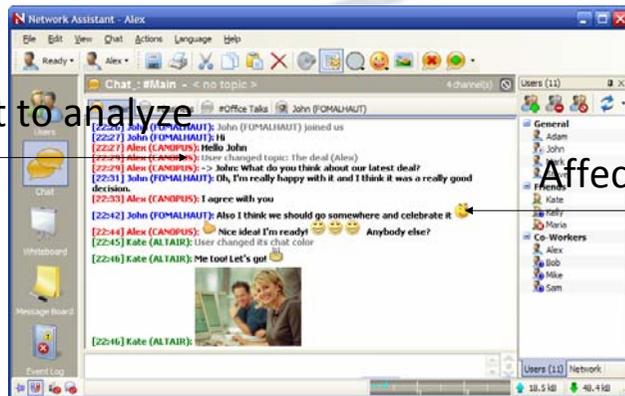


EmoText: Applying Differentiated Semantic Analysis in Lexical Affect Sensing

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- Abstract
 - *Goal:* differentiated affect sensing of emotional texts
 - *Method:* Consideration of empirical/theoretical rules that utilize linguistic information
- System (<http://emotext.informatik.uni-augsburg.de>)
 - FWF (759 sentences) and BMRC-S (1010 sentences)
 - Parsing using the SPIN parser and the Stanford parser
 - Emotional clusters (3- vs. 5-classes)
 - Encouraging results (47.64% vs. 54.65% classwise recall value for 3 classes or 32.79% classwise recall value for 5 classes)

Turn text to analyze



Affective result

- Differentiated linking
 - Emotion words, intensifiers, negations
 - Heterogenous/homogenous clauses
 - Different granularities of analysis (whole text, phrases, subsentences, majority)
 - Different strategies of analysis (first phrase, last phrase, average)
 - Grammatical Rules

Current system	Future work
The system does not consider the emotional context	Considering acquisition of emotional meaning using the context
The system considers affect sensing using 3 vs. 5 classes	Generalization of affect sensing to other number of classes
The system uses only emotion words	Extracting emotional phrases/idioms.