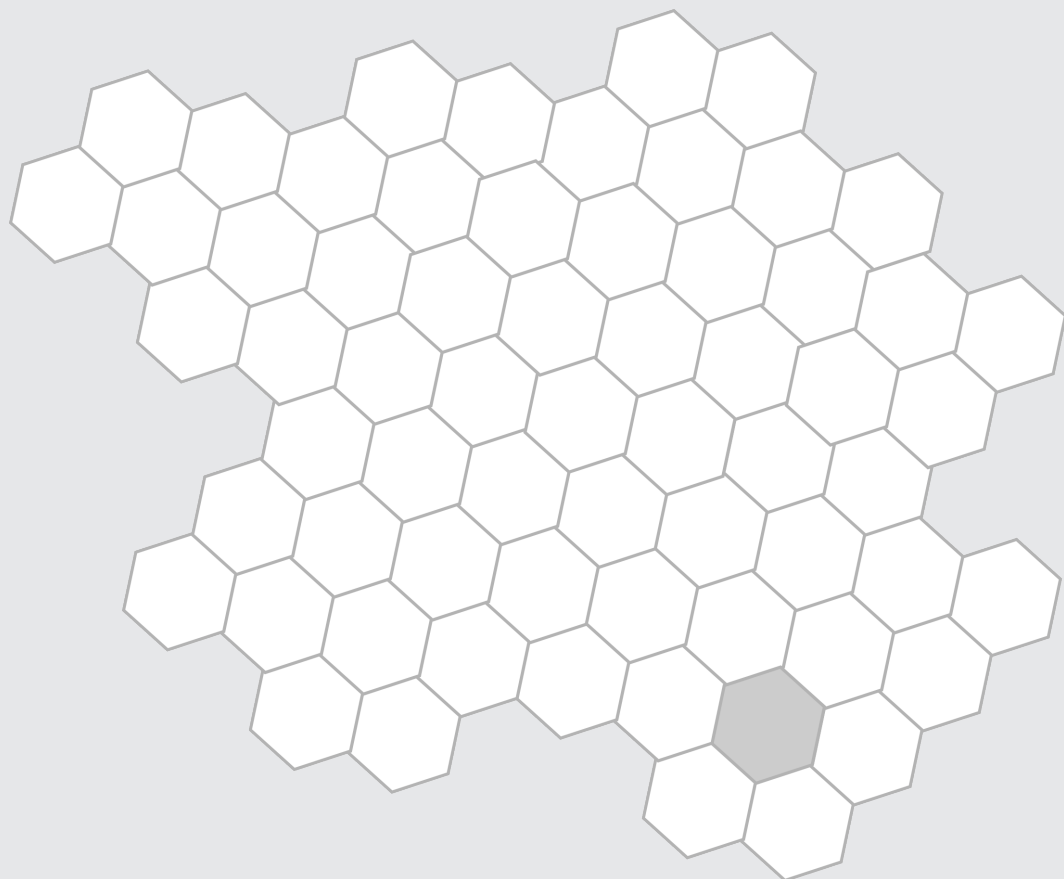


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# Sentiment Strength Detection for Social Network Site Comments

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## Abstract

This talk describes SentiStrength, a system to detect the strength of positive and negative sentiment expressed in short informal text, such as in the public comments exchanged between friends in social network sites. SentiStrength uses a list of sentiment-bearing words annotated with polarity and strength as the core of its algorithm. Scores based on these words are then enhanced with a variety of features gained from shallow parsing of the text. Some of these features are generic, such as negating terms and booster words, whereas others are specific to informal text, such as emoticons and repeated characters as a device to convey enhanced emotion. Experiments with SentiStrength applied to public comments from the popular social network site MySpace shows that it outperforms a range of machine learning methods for positive sentiment but not for negative sentiment.

# Call for Papers

*Papers to be included in the next issue should be preferably focused on topics related to social-networks in one or more of the following subjects (the list is indicative rather than exhaustive):*

Sentiment/Opinion Analysis in Natural-Language Text Documents

Algorithms, Methods, and Technologies for Building and Analysing Social Networks

Applications in the Area of Social Activities

Knowledge Mining and Discovery in Natural Languages Used in Social Networks

Medical, Economic, and Environmental Applications in Social Networks

*Submitted papers should not have been previously published nor be currently under consideration for publication elsewhere. Each of the submitted research papers should not exceed 26 pages. All papers are refereed through a peer review process.*

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*Accepted papers are to be prepared according to the instructions available at <http://www.konvoj.cz/journals/mmm/>.*