## abstract:

Restricted content classification is an activity of labeling video content into two category, which are restricted content that is appropriate for all audiences and non-restricted content that are not appropriate for minor audiences (age < 18). On Youtube, restricted content classification is being processed manually by the expert staffs based on user reports. This research aims to build automatic restricted content classification system which is able to classify Youtube video based on its metadata (title, description) and video comments. This system would use the best model achieved from the experiment on Youtube video dataset. Video title and description are chosen as the classification attribute since they contain the main information about the video provided by the uploader. Meanwhile, video comments are chosen as the other classification attribute under the assumption that they would provide the information necessary when video title and description are not able to give any information related to the video. Our experiment shows that the best classification model with F-Measure of 83.45% is achieved by using lexical feature on dataset built from video title and description (without comments). We employed Support Vector Machines as the classification algorithm and binary as the feature weighting method. In this paper, a restricted content classification system based on metadata and video comments has been built.