Abstract

Automatic Image annotation is a dominant research area in computer science. It is concerned with the storage of images and assigning meaningful keywords to it. There are several methods developed for efficient automatic image annotation which uses various optimization techniques. The purpose of this paper is to show the survey study done on the optimization techniques for Image annotation. An image has several preeminent characteristics like colour texture, shape etc. These different descriptors of the images can form a combined feature vector. Optimization algorithms such as Particle swam optimization algorithm, Genetic algorithm etc can be used for optimum feature selection.

References

2. Dong Yang and Ping Guo, Image modeling with combined optimization techniques for image semantic annotation, Springer-Verlag London Limited 2010


8. S. Bahrami and M. Saniee Abadeh, Automatic image annotation using an evolutionary algorithm, Telecommunications (IST), 2014 7th International Symposium


11. Sivakumar and Dr.C.Chandrasekar, Modified PSO Based Feature Selection for Classification of Lung CT Images, International Journal of Computer Science and Information Technologies, Vol. 5 (2) , 2014, 2095-2098

12. Bae-Muu Chang,Hung-Hsu Tsai and Wen-Ling Chou, Using visual features to design a content-based image retrieval method optimized by particle swarm optimization algorithm

**Index Terms**

Computer Science  
Image Processing
Keywords

Image Annotation, Optimization, Particle Swarm Optimization, Content based image retrieval, Feature Extraction