

Cross Language Evaluation Forum



**Results of the CLEF 2005
Cross-Language System
Evaluation Campaign**

EXTENDED ABSTRACTS

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SINAI at ImageCLEF 2005

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Abstract

In this paper, we describe our first participation in the ImageCLEF campaign. The SINAI research group participated in both the ad hoc task and the medical task. For the first task, we have used several translation schemas as well as experiments with and without pseudo relevance feedback (PRF). For the medical task, we have also submitted runs with and without PRF, and experiments using only textual query and using textual mixing with visual query.

Categories and Subject Descriptors

H.3 [Information Storage and Retrieval]: H.3.1 Content Analysis and Indexing; H.3.3 Information Search and Retrieval; H.3.4 Systems and Software

General Terms

Algorithms, Experimentation, Languages, Performance

Keywords

Images, Indexing, Machine Translators

1 Introduction

This is the first participation for the SINAI research group at the ImageCLEF task. We have accomplished the ad hoc task and the medical task.

As a cross language retrieval task, a multilingual image retrieval based on query translation can achieve high performance, more than a monolingual retrieval. The ad hoc task involves to retrieve relevant images using the text associated to each image query.

The goal of the medical task is to retrieve relevant images based on an image query [1]. This year, a short text is associated to each image query. We first compare the results obtained using only textual query versus results obtained combining textual and visual information. We have accomplished several experiments with and without PRF. Finally, we have used different methods to merge visual and text results.

Next section describes the ad hoc experiments. In Section 3, we explain the experiments for the medical task. Finally, conclusions and further works are presented in Section 4.