Neapolis University

HEPHAESTUS Repository **http://hephaestus.nup.ac.cy**

School of Information Sciences Conference papers

2009

Img(Rummager): An Interactive Content Based Image Retrieval System

Chatzichristofis, Savvas A.

IEEE (Institute of Electrical and Electronics Engineers , United States)

http://hdl.handle.net/11728/10150

Downloaded from HEPHAESTUS Repository, Neapolis University institutional repository

2009 Second International Workshop on Similarity Search and Applications

Img(Rummager): An Interactive Content Based Image Retrieval System.

Savvas A. Chatzichristofis and Yiannis S. Boutalis

Department of Electrical & Computer Engineering

Democritus University of Thrace, Xanthi, Greece

schatzic@ee.duth.gr, ybout@ee.duth.gr

Mathias Lux

Institute of Information Technology

Klagenfurt University, Austria

mlux@itec.uni-klu.ac.at

Abstract—This paper presents an image retrieval suite called img(Rummager) which brings into effect a number of new as well as state of the art descriptors. The application can execute an image search based on a query image, either from XML-based index files, or directly from a folder containing image files, extracting the comparison features in real time. In addition the img(Rummager) application can execute a hybrid search of images from the application server, combining keyword information and visual similarity. Also img(Rummager) supports easy retrieval evaluation based on the normalized modified retrieval rank (NMRR) and average precision (AP).

Keywords-Content Based Image Retrieval (CBIR); Low Level

Features; Descriptors