

Master Internship 2016
Image Retrieval

Supervisor

Dr. Nizar Ouarti – nizar.ouarti@ipal.cnrs.fr
Thomas Braud - thomas.braud@ipal.cnrs.fr

Image & Pervasive Access Lab
1 Fusionopolis Way
#21-01 Connexis, South Tower
Singapore 138632

Tel. (65) 6408 2542
Director: (65) 6408 2536
Fax: (65) 6776 1378

secretariat@ipal.cnrs.fr
www.ipal.cnrs.fr

Presentation of the project

The aim of this internship is to develop a new algorithm of image retrieval. We want to work on a metric for image comparison that is invariant to many variables (translation, rotation, etc...) but still robust. The two explored directions will be toward statistical methods and deterministic methods. On the technical aspects, the candidate have to be fluent in C/C++, Matlab and OpenCV. After a literature review, much of the work will consist of signal processing and algorithms design. This internship can lead to a PhD.

Expected deliverables

This internship will lead to the delivery of a software. Another required deliverable is the report based on the state of the art on image retrieval that has to be written in English.

Keywords

statistical methods, neural networks, algorithmic, signal and image processing.

Applicant profile

- Master Degree or Engineer Student (last year of studies).
- C/C++, Matlab, OpenCV
- Git
- Good knowledge in Signal and Image Processing.
- Strong motivation towards this challenging project.
- Availability for 5 to 6 months starting in the first semester of 2016.

