POST DOCTORAL POSITION

MULTILINGUAL SEMANTIC PROCESSING OF TEXTS FOR VIDEO CLASSIFICATION

The Study Group for Machine Translation and Automated Processing of Languages and Speech (GETALP) at the LIG Lab (Laboratoire d'Informatique de Grenoble) located at Grenoble, France, has an immediate opening for a Postdoctoral Fellow in the area of Natural Language Processing and Multilingual Semantic Annotation and Classification. The Fellowship is for one year, beginning at the earliest convenience in 2011.

The candidate will be working in the framework of the VideoSense project sponsored by the ANR (Agence Nationale de la Recherche) research funding agency. The VideoSense project aims at automatic video tagging by high level concepts, including static concepts (e.g. object, scene, people, etc.), events, and emotions, while targeting two applications, namely video recommendation and ads monetization, on the Ghanni’s media assess management platform. The innovations targeted by the project include video content description by low-level features, emotional video content recognition, cross-concept detection, multimodal fusion, and the use of a pivot language for dealing with multilingual textual resources associated with video data. This post doctoral position focusses on the processing of multilingual textual data.

The candidate will develop and integrate several components which will:

- gather large scale multilingual lexical resources in the concerned languages (English, French, German),
- train sets of conceptual vectors associated to word senses in the multilingual lexical resources,
- project each conceptual vector in a pivot vector space,
- provide a semantic analysis of the textual metadata associated to the video data.

All developments will be made in java.

Minimum Requirements

- PhD degree in Computer Science, Computational Linguistics, Natural Language Processing, or related fields defended less than 2 years before hiring date.
- Strong programming skills (java, perl, C++).
- Full spoken and written proficiency of French or English.

Preferred/Recommended Requirements

- Basic knowledge in Semantic Analysis of texts, Multilingual Language Resources,
- Ability to work in a research team
- Knowledge of French and/or German

Contact

Applicants should send a full CV in French or English, including a list of publications, a description of previous research experience, names and contact of 2 referees, to Gilles Sérasset (Gilles.Serasset[ at ]imag.fr) as soon as possible.

For more information, contact Gilles Sérasset at Gilles.Serasset[ at ]imag.fr:

More Information

- The GETALP team: http://getalp.imag.fr
- LIG Lab: http://liglab.fr