Apologies for multiple postings
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We are looking for a **post-doctoral fellow** interested in working as part of the Living Knowledge project (http://livingknowledge-project.eu/).

The work will be developed under the supervision of Francesco G.B. De Natale (http://www.disi.unitn.it/~denatale/), with the co-supervision of Giulia Boato (http://dit.unitn.it/~boato/), as part of the Multimedia Signal Processing and Understanding Lab (http://mmlab.dit.unitn.it/), a multidisciplinary group which is part of the Department of Computer Science and Information Engineering (http://disi.unitn.it/welcome), University of Trento (http://portale.unitn.it/ateneo/).

Key words describing the research area of interest are: Image Analysis, Information Extraction, Multimedia Information Retrieval, Content Based Image Retrieval, Automatic Image Annotation

Skills and knowledge relevant to the project are (E: Essential, D: Desirable):
- Experience with image/video processing and analysis (E)
- Experience with pattern recognition and machine learning (E)
- Design and implementation of content based retrieval (D)
- Semantic knowledge representations and ontology (D)
- Programming of major languages: C, C++, Java

Knowledge of Italian is not needed.

The ideal candidate holds a PhD with top performance in fields related to the areas mentioned above. (S)he should have a proven track record of system design and development as well as in conducting original research and in publishing results in top conferences and journals. (S)he should be proactive, self-motivated, able to work independently and in a team, and capable of running projects and leading a small group of programmers and PhD students.

Project management experience will constitute a major plus (Trento is the project coordinator).

The **main activities and project responsibilities** of the successful candidate will be:
- Develop advanced multimedia information retrieval techniques by exploiting the content and context of multimedia data
- Develop novel multimedia information extraction techniques for supporting bias and diversity analysis
- Enable users and applications to obtain an improved interpretation of multimedia data, reducing the gap between the capabilities of current multimedia understanding algorithms and the subjectivity of semantics in human interpretations
- Collaborating with the other partners of the consortium in the development of innovative methods for detecting and handling bias in images and cross-media sources.

The successful candidates will be expected to produce top level research and to publish it in the major relevant venues. They will be involved in the supervision of PhD students and in the creation of a strong group in their research area.

The successful candidates will support the project coordinator in the overall project management activities. These activities will include, among other things: managing their work and that of the collaborators, continuous monitoring and checking of the project results, producing project deliverables, managing contacts and collaborations with the project partners.

Salary: according to experience, but expected in the range 24KEuro – 36KEuro/ year **NET**.

Duration: 3 years plus possibly a few extra months, starting as soon as possible, and ending with the end of the project.

How to Apply: send your CV, plus the names of three referees by December 15th to: denatale@disi.unitn.it and boato@disi.unitn.it.

About us: The Department of Information Engineering and Computer Science of the University of Trento is a leading and fast-growing research institution, characterized by a young and international faculty and a large, international student population.

About Trento: Trento (http://www.apt.trento.it/) is a small vibrant city (around 100K people), with a beautifully preserved historic center, situated in the middle of the Dolomites, consistently ranked at the top for quality of life. Also thanks to it fortunate location, Trento offers a wide variety of cultural and sports opportunities all year around, as well as excellent food and wine.

Further information: Giulia Boato, boato@disi.unitn.it