Full Time Marie Curie Early Stage Researcher Position in the field of
Virtual archaeology perspectives of tangible/intangible cultural content

Applications are invited from candidates who possess the necessary qualifications in order to fill one (1) full time Marie Curie Early Stage Researcher (ESR) Fellow Position within the University of Murcia (UMU), Spain in the research fields of digital e-Archaeology, e-Cultural Heritage, Computer Graphics/Vision (modeling/visualisation) and Metadata enrichment for tangible/intangible Cultural Heritage.

The selected Marie Curie ESR will work for **24** months within the ITN-Digital Cultural Heritage (ITN-DCH) Marie Curie ITN Programme which, is the only EU funded programme bringing together fourteen (14) leading European Institutions as full partners and nine (9) other as associated partners in a transnational network, aiming at implementing a multidisciplinary and intersectorial research and training programme between the academic and the industrial partners. The fellow will be involved on a research training in Cultural Heritage Requirements and scenario description from end-users' point of view, survey of current specifications used in Cultural Heritage repositories and new metadata interfaces for tangible and intangible cultural heritage (3D/4D) forms.

Description

Cultural Heritage (CH) is an integral element of Europe and vital for the creation of a common European identity and one of the greatest assets for steering Europe's social, economic development and job creation. However, the current research training activities in CH are fragmented and mostly designed to be of a single-discipline, failing to cover the whole lifecycle of Digital Cultural Heritage (DCH) research, which is by nature a multi-disciplinary and intersectorial research agenda. ITN-DCH brings for the first time worldwide top Universities, research centers, industries and CH stakeholders, end-users and standardized bodies together to collaborate in order to train the next generation of researchers in DCH. The project aims to analyze, design, research, develop and validate an innovative multi-disciplinary and intersectoral research training framework that covers the whole lifecycle of digital CH research for cost–effective preservation, documentation, protection and presentation of CH. ITN-DCH targets innovations that cover all aspects of CH ranging from tangible (books, newspapers, images, drawings, manuscripts, uniforms, maps, artifacts, archaeological sites, monuments) to intangible content (e.g., music, performing arts, folklore, theatrical performances) and their inter-relationships. The project also aims to boost the added value of CH assets by re-using them in real application environments (protection of CH, education, tourism industry, advertising, fashion, films, music, publishing, video games and TV) through research on (i) new personalized, interactive, mixed and augmented reality enabled e-services, (ii) new recommendations in data acquisition, (iii) new forms of representations (3D/4D) of both tangible /intangible assets and (iv) interoperable metadata forms that allow easy data exchange and archiving. One Early-Stage Researcher (ESR) will be recruited by the host organization of the University of Murcia (Murcia, Spain).

Nr of positions available : 1

Research Fields

Archaeology, Digital Cultural Heritage, ICT, Computer Graphics, Computer Vision, Virtual Archaeology, Computer Science.

The Applicant should:

1. Have completed at least a four or five year education cycle (e.g. Diploma in Engineering, Master's Degree etc) from a recognized university in Archaeology/Anthropology/Cultural Heritage or Humanities in general with field experience in cultural heritage projects, preferably in archaeology, and with experienced in the application of ICT to cultural heritage, Computer Science and/or Computer Graphics, Computer Vision <u>with</u> <u>less than four (4) years</u> of continuous full-time research experience (<u>after the degree that gives access to doctoral training</u>) in the above fields, with excellent programming skills and very good language and communication / implementation skills.

2. At the time of recruitment, <u>not have resided</u> (or carried out his/her main activity e.g. work, studies, etc.) in Spain, <u>for more than 12 months in the last 3 years</u> immediately prior to the reference recruitment date.

3. <u>Excellent</u> knowledge of the English language at a proficiency level (spoken and written)

Career Stage

Early stage researcher or 0-4 years of experience (Post graduate) – According to the FP7-PEOPLE (Marie Curie Actions) regulations. Eligibility rules for the Marie Curie fellows can be found at the FP7-PEOPLE 2013 Work programme:
http://ec.europa.eu/research/mariecurieactions/documents/about-mca/actions/itn/marie-curie-actions-fellowships-people-wp-201301_en.pdf

Research Profile

First Stage Researcher (R1)

Benefits

- **Competitive salary to cover living, mobility costs, social and health insurance (according to the FP7-PEOPLE ITN2013 Marie Curie Actions Programme regulations).**
- **Opportunity to register for a PhD at the *University of Murcia, Spain*.**
- **Opportunities for international collaboration and travel to world-class academic and industrial partners.**
- **Training in a range of state-of-the-art scientific skills, intellectual property and project management skills and visiting Spanish language courses.**
- **Secondment placements within the network's partners (up to max. two months).**

For more details on the fellow salary and other benefits/eligibility criteria please refer to the FP7-PEOPLE Marie Curie actions website at:

http://ec.europa.eu/research/mariecurieactions/careers_en.htm and

the FP7-PEOPLE ITN2013 work programme: http://ec.europa.eu/research/mariecurieactions/documents/about-mca/actions/itn/marie-curie-actions-fellowships-people-wp-201301_en.pdf

Applicants are requested to submit the following:

1. **Detailed Curriculum Vitae.**
2. **Motivation Letter**
3. **Official transcripts of grades from all academic institutions of higher education listed in his/her application, certified copies of degrees, or/and certifications of fulfillment of the required obligations for entering a graduate PhD programme**
4. **Certified copies of titles in English language**
5. **Names of three referees who, upon request, can provide recommendation letters**
6. **Copies of any related research papers or other significant work by the applicant**

Applications must be submitted in a closed express courier envelope marked as "*Application for FP7-PEOPLE Marie Curie ITN-DCH Research Fellow Position*" – *Prof. Mariano Flores Gutiérrez. Facultad de Bellas Artes. Campus de Espinardo. 3010, University of Murcia, Spain*. Otherwise it must be sent via regular registered post with a clearly visible post office stamp of a date not later than 15th of March 2014, 24:00 which is the deadline for the submission of the applications.

Applicants are also requested to send their applications electronically to these email addresses ocytsim@um.es and marinos.ioannides@cut.ac.cy before the deadline of 15th of March 2014, 24:00, however, please note that the electronic submission alone will not be considered as a formal application unless the printed application is received as requested in the previous paragraph.

For enquiries: ocytsim@um.es - +34 868888296

Start of the fellowship: 1st of June 2014