



United Nations
Educational, Scientific and
Cultural Organization



UNESCO Chair on
Digital Cultural Heritage at
the Cyprus University of Technology



European Research Area
EU ERA Chair on Digital Cultural Heritage



CYPRUS UNIVERSITY OF TECHNOLOGY (CUT)

DEPARTMENT OF ELECTRICAL and COMPUTER ENGINEERING and INFORMATICS

UNESCO CHAIR on Digital Cultural Heritage

Full Time Marie Curie Early Stage Researcher Position (ESR) in the field of

Enrichment of 3D volumetric data with Metadata and Semantics

Applications are invited from candidates who possess the necessary qualifications in order to fill one (1) full time Marie S. Curie Early Stage Researcher (ESR) Fellow Position in the newly established UNESCO Chair on Digital Cultural Heritage / Digital Heritage Research Lab of the Cyprus University of Technology (CUT) in the research fields of ***Enrichment of 3D volumetric objects with Metadata and Semantics***: The selected Marie S. Curie ESR will work for twenty-two (22) months within the ITN CHANGE Marie S. Curie ITN Project which, is the only EU funded programme bringing together eight (8) leading European Institutions as full beneficiaries and ten (10) other as partners in a transnational network, aiming at implementing a multidisciplinary and intersectorial research and training programme between the academic, research and the industrial partners.

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. The CHANGE project will train a new generation of early stage researchers towards a common goal, namely the assessment of changes of tangible cultural heritage (CH) objects and their monitoring in the atmosphere and/or during their conservation treatment using multimodal imaging techniques in complement to more traditional analytical techniques. Their research will consist in an optimised capturing of data and their analysis, visualisation and management to ensure a better documentation and long-term preservation of our common EU CH. This work will be carried out within an interdisciplinary environment involving 5 CH and 4 Information & Communication Technologies (ICT) beneficiary institutions as well as 9 CH, ICT and industrial partners from 8 EU countries.



Position:

One ESR to be recruited by the host organization of the Cyprus University of Technology in Limassol, Cyprus for the duration of three (3) years under full employment contract. The fellow will work on:

Development of advanced metadata and semantic model for integrating: (1) Paradata of the acquisition technologies and historical and archaeological evidence of CH objects, (2) the argumentation leading to virtual reconstruction and discussing alternatives with the object owners/ stakeholders, (3) the connection of physical and social-historical, constructive, functional, aesthetic and environmental parameters, etc. with 3D/4D documentation of CH objects.

Expected Results:

A complete online platform for the holistic e-documentation of 3D CH objects: metadata, paradata, semantics, reflecting the interpretation and story of the 3D asset.

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 Geomatics, Computer- / Electrical Engineering Computer Science and/or Surveying Engineering with less than four (4) years of continuous full-time research experience in the above fields, with excellent programming skills and very good language and communication / implementation skills**
- 2. At the time of recruitment, not have resided (or carried out his/her main activity e.g. work, studies, etc.) in Cyprus, for more than 12 months in the last 3 years immediately prior to the reference recruitment date.**
- 3. Excellent 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 H2020 (Marie S. Curie Actions) Regulations. Eligibility rules for the Marie S. Curie fellows can be found at the H2020 MSCA 2018-2020 Work programme:

http://ec.europa.eu/research/participants/data/ref/h2020/wp/2018-2020/main/h2020-wp1820-msca_en.pdf

Research Profile

First Stage Researcher (R1)

Benefits

- The monthly gross salary for this position will be 2700.91 Euro. From this amount employer and employee contributions to the Cyprus government funds will be deducted (Note: the monthly gross salary after the deduction of employer contributions amounts to €2350.66). 13th salary is provided and has been incorporated into the monthly gross salary. In addition, the fellow will be entitled to mobility allowance, according to the regulations of the Marie S. Curie Actions Programme and CUT regulations.



H2020 Marie Skłodowska-Curie Action ITN 2018 CHANGE -
<http://change-itn.eu/> - 813789

- In the context of a personal Career Development Plan, opportunities for international collaboration, attend outstanding conferences/events and exchanges to world-class academic and industrial partners will take place.
- Registration for a PhD at CUT / UNESCO Chair on Digital Cultural Heritage, Limassol, Cyprus.
- Training in a range of state-of-the-art scientific skills, intellectual property and project management skills and visiting GR language courses.
- Secondment placements within the network's partners (up to max. 30/% of the training period).

For more details on the fellow salary and other benefits or eligibility criteria please refer to the [H2020 Marie S. Curie actions Work Programme 2018-20](#) and at the CHANGE project's website at <http://change-itn.eu/>

Applicants are requested to submit the following:

1. Detailed EuroPass - Curriculum Vitae in English - 2 copies (see also: <https://europass.cedefop.europa.eu/documents/curriculum-vitae>)
2. Motivation Letter - 2 copies
3. Official certified 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 - 2 copies
4. Official certified copies of titles in English language - 2 copies
5. Names and full address (including valid email) of three referees who, upon request, can provide recommendation letters - 2 copies
6. Copies of any related research papers or other significant achievements/work by the applicant - 2 copies

Applications must be sent via email at: HRrecruits@cut.ac.cy with the subject: "*Application for H2020 Marie S. Curie CHANGE Research Fellow Position (ESR)*" – Department Electrical and Computer Engineering and Informatics" no later than **Monday 19th of April, 2021 12:00 (noon)** which is the deadline for the submission of the applications.

For further information, please contact Dr. Marinos Ioannides at email marinos.ioannides@cut.ac.cy and telephone number +357-25-002020 or visit the website: <http://change-itn.eu/>.

Research Fields

Computer Science, Geomatics, Archives, libraries, semantics, ontology, Photogrammetry, Computer Vision, Computer Graphics, Big Data

Start of the fellowship: 1st of June 2021

