



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 S. 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 field of ***Enrichment of 3D volumetric objects with Metadata and Semantics***: The selected Marie S. Curie ESR will work for thirty six (36) months within the ITN CHANGE Marie S. Curie ITN Project, an 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 academic, research and the industrial partners.

**Description**

Cultural Heritage (CH) is an integral element of Europe, 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 as single-discipline, failing to cover the whole lifecycle of Digital Cultural Heritage (DCH) research, which is by nature a multi-disciplinary and intersectorial agenda. The CHANGE project will train a new generation of early stage researchers towards a common goal, namely the assessment of changes in tangible cultural heritage objects and their monitoring in the atmosphere and/or during their conservation treatment, using multimodal imaging techniques to complement more traditional analytical techniques. Their research will consist in optimizing capture of data and their analysis, visualisation and management, to ensure a better documentation and long-term preservation of our common European cultural heritage. This work will be carried out within an interdisciplinary environment involving 5 CH and 4 ICT beneficiary institutions as well as 9 CH, ICT and industrial partners from 8 EU countries.



This project has received funding from the *European Union's Horizon 2020 research and innovation programme* under grant agreement No 813789  
H2020 Marie Skłodowska-Curie Action ITN 2018 CHANGE <http://change-itn.eu/>



## 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, Surveying Engineering and/or BA or MA in Humanities with a focus on e-CH 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. Possess 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](http://ec.europa.eu/research/participants/data/ref/h2020/wp/2018-2020/main/h2020-wp1820-msca_en.pdf)

## Research Profile

First Stage Researcher (R1)



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## Benefits

- Competitive salary to cover living allowance (2.701,02 Euro – gross salary), mobility (600,00 Euro) plus a family allowance (if the candidate is married: 500,00 Euro), social and health insurance (**according to the H2020 Marie S. Curie Actions Programme and CUT regulations**).
- 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 at CUT language center,
- 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/eligibility criteria please refer to the H2020 Marie S. Curie actions CHANGE website at <http://change-itn.eu/> and [http://change-itn.eu/wp-content/uploads/2018/12/Guide\\_Applicants\\_shortened.pdf](http://change-itn.eu/wp-content/uploads/2018/12/Guide_Applicants_shortened.pdf)

### Applicants are requested to submit the following:

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

Applications must be submitted in a closed envelop marked as "**Application for H2020 Marie S. Curie CHANGE Research Fellow Position (ESR)**" – UNESCO CHAIR DCH - Department of Electrical and Computer Engineering and Informatics at the premises of the Cyprus University of Technology, Human Resource Department, 4th Floor, Arch. Kyprianos 31, CY-3036 Limassol via **express courier** or must be sent via registered post (P.O. Box 50329, CY-3603 Limassol) with a clearly visible post office stamp of a date **not later than 31<sup>st</sup> of May, 2019, 24:00** which is the deadline for the submission of the applications.





Applicants are also requested to send their applications electronically to the email address [marinos.ioannides@cut.ac.cy](mailto:marinos.ioannides@cut.ac.cy) before the deadline of **31<sup>st</sup> of May 2019**, 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 further information please contact Dr. Marinos Ioannides at email [marinos.ioannides@cut.ac.cy](mailto: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, Holistic documentation

**Start of the fellowship: 1<sup>st</sup> of October 2019**

