



Digital Heritage Research Lab



United Nations Educational, Scientific and Cultural Organization
UNESCO Chair on Digital Cultural Heritage at the Cyprus University of Technology



@DHRLabCut



@Unesco_DCH



@Digital Heritage Research Lab



www.digitalheritagelab.eu

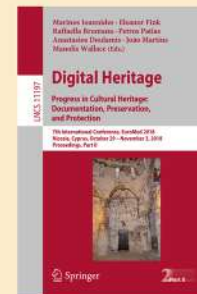
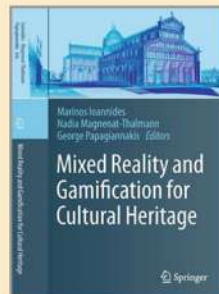


Marie Curie Allumni Association Cyprus Chapter



Activities

- Research collaborations on the use and impact of digitization in the field of preservation of cultural heritage and the memory of the past.
- Development of testing and evaluating new methods for the digitization of cultural heritage such as system development, large-scale databases, 3D reconstructions, visualizations, virtual representations etc.
- Digitization of audio-visual records.
- Semantic enrichment of artefacts, metadata encoding, reasoning and inference.
- Creative re-using of Digital Heritage content.
- Research on Innovative Applications for Education on Digital Cultural Heritage.
- Operation of interaction technologies that allow user interaction with content.
- Development of new applications and mashups over existing knowledge and data sets.
- Hosting of new research programs.
- Organising activities, events, seminars and conferences to discuss new developments and fundamental research capabilities.
- Use of digitized collections.



Protecting, Preserving & Presenting our Heritage

We are involved in scientific projects in the area of Cultural Heritage. This cooperation produced major results and our work has been published in peer-reviewed journals and conference proceedings in many countries. Our research on cultural heritage tangible and intangible aspects developed a biannual EuroMed conference. This conference has become a regular milestone of the lab offering further knowledge on the protection and preservation of cultural heritage. It has also become a unique platform for academics and researchers to present their results, as well as to draw upon new inspirations and collaborations.



Geometric Documentation of Asinou Church, UNESCO World Heritage Monument Site in Cyprus.



The Digital Heritage Research Lab

The Digital Heritage Research Lab is under the Department of Electrical Engineering and Information Technology of the Technological University of Cyprus. The Lab was established in 2013 and it is the first and so far the only one on the island of Cyprus that specializes in this field.

Our aim is to explore issues such as digitization, archiving and the promotion of cultural heritage, tangible and intangible remains of our cultural past. Moreover, the Lab focuses on how the latest technological developments can deliver this legacy to users. We collaborate on a national level with all relevant private and public sectors. At a European level the Lab collaborates with a network of at least 150 leading partners from the academic, research and industrial sectors working towards the development of new tools and applications.

The research focuses on four thematic areas: recording, access, management and preservation.

DHRLab was awarded the UNESCO Chair on Digital Cultural Heritage in 2017 and since the beginning of 2019 commenced a 5-year period as European Research Area (ERA) Chair on Digital Heritage under the Horizon 2020 programme. Under these programmes - named Mnemosyne - DHRLab will expand its current collaboration with a network of leading partners from the academic, research and industrial sectors, developing innovative tools and applications to provide social and economic benefit.

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PROJECTS

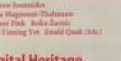
Projects

The lab is responsible for the organization of the biannual international EuroMed conference which is always located in Cyprus.



www.euromed2020.eu, www.euromed-dch.eu

- UNESCO Chair on DCH
- ERA Chair on Digital Heritage
- MSCA CHANGE
www.change-itn.eu/
- Europeana Common Culture
www.pro.europeana.eu
- Europeana Archaeology
www.pro.europeana.eu
- Interreg VA - DigiArc
www.digiarc.eu
- Virtual Multimodal Museum Plus
www.vi-mm.eu
- OPHERA
www.ophera.beniculturali.it
- EU-OBP
- IMPACTOUR
- EU H2020 Reflective 7 INCEPTION
www.inception-project.eu
- PHOTOCONSORTIUM
www.photoconsortium.net
- CARARE Association
www.carare.eu
- Michael Culture Association
www.michael-culture.eu



- EU CLARIN-ERIC/CYPRUS
www.clarin.eu
- EU DARIAH-ERIC/CYPRUS
www.dariah-cy.eu
- Marie Curie Initial Training Network on Digital Heritage
www.itn-dch.eu
- Marie Curie IAPP 4D-CH-WORLD
www.4d-ch-world.eu
- CIP ICT-PSP LoCloud
www.locloud.eu
- Europeana Space
www.europeana-space.eu
- COST TD1406 Intelligent Monuments
www.cost.eu
- Europeana 3D - TASK FORCE



Why we are working in this area?

The digitization of cultural heritage and the memory of the past both facilitate and enhance knowledge and science and offer new ways to engage the public. Moreover, new challenges are created for the formation of digital heritage collections and their sustainable adaptation according to the users' needs.

What we do?

- Collaboration in research projects commissioned by European programs and cultural institutions.
- Work in education in the field of Cultural Informatics.
- Investigation of methodological concerns about the use of digital tools in humanities.

