

# Protecting, Preserving & Presenting Our Heritage

Digitisation offers new possibilities in the safeguarding, conservation, restoration, preservation, and valorisation of cultural heritage, tangible or intangible.

Digital documentation and the creation of Digital Twins for heritage are part of the DHRLab's work, but capturing an object's significance, meaning, and history is vital to understanding its context and identity.

This process creates a **Memory Twin**, bringing an object to life, exposing hidden stories, connections, and legacies to a new audience, providing a new appreciation for and engagement with our shared past.

## Our Commitment to Digital Cultural Heritage

- We host and collaborate in research programmes on preserving cultural heritage and cultural memory and the use and impact of digitisation.
- We develop, evaluate, and test new methods for digitising cultural heritage.
- We digitise analogue material from sites, monuments, and artefacts to images, documents, and audiovisual material.
- We research the transformation of Digital Twins to Memory Twins, their semantic enrichment, paradata and metadata encoding, reasoning, and inference.
- We investigate the process of digitisation, recommend best practices, and develop standards for creating digital cultural heritage assets.
- We explore digitised collections and data sets to facilitate their visibility, use, and redeployment in research, education, tourism, and creative sectors.
- We organise activities, seminars, and conferences to monitor and share the latest developments, research capabilities, and cultural heritage valorisation.

# The Digital Heritage Research Lab

We are part of the Department of Electrical Engineering & Computer Engineering & Informatics within the Faculty of Engineering & Technology at the Cyprus University of Technology.

Established in 2013, the DHRLab was the first laboratory to specialise in the digitisation of Cultural Heritage in Cyprus. In 2017 the work of the Lab was recognised with the award of the UNESCO Chair on Digital Cultural Heritage, contributing to building a global culture of peace, economic development, sustainable futures, and intercultural dialogue through humankind's shared cultural legacy.

Our remit is to explore the issues surrounding the documentation, protection, preservation, and promotion of tangible and intangible Cultural Heritage through leading-edge digital technologies, methods, and dissemination approaches.

Our research focuses on four thematic areas:

- Digital Documentation
- Knowledge Management
- Long-term Digital Preservation
- Valorisation and Access

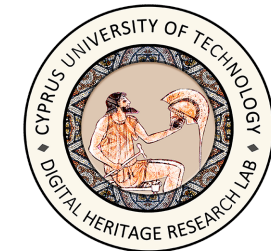
We collaborate locally, nationally, regionally, and internationally through our extensive network of academic, research, and industrial partners from the public and private sectors in developing new tools, applications, and approaches.



## UNESCO Chair on Digital Cultural Heritage Digital Heritage Research Lab

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# UNESCO CHAIR

on Digital Cultural Heritage

## MNEMOSYNE

# Digital Heritage Research Lab



#DHRLabCut, #UNESCO\_DCH, #MemoryTwin  
#ERA\_Chair\_Mnemosyne, #CyUniTech

# Publications & Events

We publish regularly on all aspects of Digital Cultural Heritage with over a twenty volumes available. We are the primary editors for the popular **3D Research Challenges in Cultural Heritage**, **Lecture Notes in Computer Science** and the new **Advances in Digital and Cultural Tourism Management** series published through Springer Nature.

The DHRLab is committed to free access to information and unrestricted use of electronic resources for everyone. All of our data-sets, publications and conference proceedings are available online under **Open Access** agreements with our publishers and stakeholders.



Under the remit of the UNESCO Chair, we host **EuroMed: The International Conference on Digital Heritage**, held biannually in Cyprus since 2006, bringing members of the cultural heritage community together with policymakers and heritage stakeholders to exchange know-how, present research, and discuss new developments in the Cultural Heritage domain, regionally and globally.



# Innovation-Research-Development our Projects & Collaborations



- Eureka3D

[www.eureka3d.eu](http://www.eureka3d.eu)



- Eureka3D-XR

[www.eureka3d-xr.eu](http://www.eureka3d-xr.eu)



- HERITALISE

[www.heritalise.eu](http://www.heritalise.eu)



- EU Study VIGIE 2020/654

[www.unescochair-dch.net/VIGIE-2020-654](http://www.unescochair-dch.net/VIGIE-2020-654)



- IMPACTOUR

[www.impactour.eu](http://www.impactour.eu)



- CREAMS

[www.creams-project.eu](http://www.creams-project.eu)



- ITN For DCH

[www.itn-dch.net](http://www.itn-dch.net)



- ERA Chair MNEMOSYNE

[www.erachair-dch.eu](http://www.erachair-dch.eu)



- ExhiBIT

[www.exhibit-project.com](http://www.exhibit-project.com)



- ANCHISE

[www.anchise.eu](http://www.anchise.eu)



- ARTEST

[www.artest-project.eu](http://www.artest-project.eu)



- TExTOUR

[www.textour-project.eu](http://www.textour-project.eu)



- The GLAMers

[www.glamers.eu](http://www.glamers.eu)



- OPHERA

[www.ophera.beniculturali.it](http://www.ophera.beniculturali.it)



34 European funded projects since 2013

Over 180 signed cooperation agreements with strategic partners in 40 countries worldwide

