

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 our work, but also 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, buildings, artefacts, 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.

About the DCHRC MNEMOSYNE

The Digital Cultural Heritage Research Centre MNEMOSYNE brings together three laboratories at the Cyprus University of Technology:

- The Digital Heritage Research Lab (DHRLab)
- The Earth Observation Cultural Heritage Laboratory (EOcult)
- The Mechanical Engineering Design and Additive Manufacturing Lab (MEDAM)

By consolidating our combined research activities under the aegis of the UNESCO Chair on Digital Cultural Heritage, we contribute to the aim of building a global culture of peace, economic development, sustainable futures, and intercultural dialogue through humankind's shared cultural legacy.

Our shared vision focuses on four thematic areas:

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

Through our extensive network of academic, research, and industrial partners, we actively collaborate at local, national, regional, and international levels to achieve these objectives, developing innovative tools, new approaches, and cultural heritage opportunities with real impact for scholarly study, inclusive community engagement, ethical use, and the sustainable exploitation of heritage as an economic resource.



UNESCO Chair on Digital Cultural Heritage DCHRC-MNEMOSYNE

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UNESCO CHAIR on Digital Cultural Heritage



Digital Cultural Heritage Research Centre MNEMOSYNE



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@DigitalHeritageResearchLab

#DCH_RC_MNEMOSYNE
#DHRLabCut, #EOCult_CUT, #MEDAMLab_CUT
#UNESCO_DCH, #MemoryTwin

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.

We are committed to the principles of 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



• Eureka3D-XR

www.eureka3d-xr.eu



• HERITALISE

www.heritalise.eu



• EU Study VIGIE 2020/654

www.unescochair-dch.net/VIGIE-2020-654



• IMPACTOUR

www.impactour.eu



• ARGUS

www.argus-project.eu



• ITN - DCH

www.itn-dch.net



• ERA Chair MNEMOSYNE

www.erachair-dch.eu



• PRAYTICIPATE

www.cost.eu/actions/CA23143



• ANCHISE

www.anchise.eu



• ARTEST

www.artest-project.eu



• TExTOUR

www.textour-project.eu



• Connecting

www.connecting-infra.eu



• ENGINEER

engineer-twinning.eu



38 European funded projects since 2013

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

