



# Gorffennol Digidol Digital Past - 2020

## DIGITAL PAST:

It is all about knowledge, story and memory

Marinos Ioannides, UNESCO CHAIR on Digital Cultural Heritage, [Cyprus University of Technology](#)



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The surveying of a tangible object such as an artefact, monument and/or a site has as a result the accurate 3D reconstruction of their virtual geometrical structure(s), but surely not their historical value and not their relation to the society. The presentation will focus on current research activities in the area of 3D holistic documentation and in particular the 3D enrichment with semantics and the corresponding generation of object's specific knowledge and unique memory. Moreover, challenges such as the missing standardisation in the 3D documentation and the introduction of Artificial Intelligence tools in Cultural Heritage will be presented and discussed.

[Digital Past 2020](#): New technologies in heritage, interpretation and outreach | 12 & 13 February 2020, Aberystwyth Arts Centre, Aberystwyth

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The following will be discussed:

- Who we are?
- What we are doing?
- The Risks if we don't digitally document.
- The definition of Knowledge, Memory, Story and Identity.
- When a monument has a “Universal and Outstanding Value”?
- How do we create such a documentation and how can be used or re-used?
- How can be harvested to Europeana this Object, Story, knowledge, Memory?
- Which are the Challenges at the beginning of the 21st century?



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## Biography

Marinos Ioannides studied at the University of Stuttgart, Germany and specialised for his BSc and MSc in Computer Science in the area of digital repositories and for his PhD in the area of 3D reverse engineering, where he developed one of the first 3D reconstruction engines. Since 1989, he is working exclusively in the area of Cultural Heritage 3D documentation. He is the director of the newly established UNESCO CHAIR on Digital Cultural Heritage and the coordinator of the EU ERA Chair on Digital Cultural Heritage Mnemosyne. Marino's current research interests focusing on the digital Holistic Documentation in Cultural Heritage.

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