

INTERNATIONAL WORKSHOP

INTERNATIONAL WORKSHOP ON HIGHER EDUCATION ON HIGHER EDUCATION

Tuesday, 27th June from 9:10 to 10:00. Lecture by Paolo Salonia, CNR-Institute for Technologies Applied to Cultural Heritage, (Italia).

Technological Innovation for the Knowledge construction yard in restoration process: Let us re-find our sense sense of measure echatronics meets Heritage conservations Science

It has by now become commonplace and consolidated practice to decline terms like heritage, knowledge, conservation together with others like technologies, digitalisation, 3D, modelling, and to acknowledge such utterances in actions and operational procedures that give substance to the process of protection and enhancement of Cultural Heritage. Numerous are the examples that bear witness to how the evolution in the field of technologies applied to cultural heritage in the last decades had extraordinary accelerations in terms of accuracy and reliability of measurements and reproduction and management of the data acquired, albeit not always accompanied by simplification of procedures and cost cutting. The extremely vast production of data, that has even given rise to the new definition of Digital Heritage, opens up the debate on the use of such databases and poses questions on the opportunity and appropriateness of making them accessible to scientific communities, but without restriction for others, in the form of open data. Concerning public funding, in the last Framework Programs of the European Union and currently in HORIZON 2020, the actions scheduled are strongly orientated towards the use of technologies, and in a totalising way, towards digitalisation. There are numerous initiatives fostered by States throughout the world and among those that should be recalled, there are the EUROPEANA project for standardisation of Digital Heritage. Or the Arches Project, an international collaboration including the Getty Conservation Institute and the World Monuments Fund, besides Universities and research centres from different countries, with the objective of developing an informative geo-spatial open source system that may represent a digital archive for the online management of material cultural heritage. New opportunities are thus emerging for the standardisation of vast quantities of information, for the digitalisation of heritage and the utilisation of social media to support the control, planning, organisation, management,

interpretation and monitoring of the actions of conservation, but also for the identification of new forms of enhancement and fruition. However, the specificity of the current situation shows the consolidation of a more open gap between the technological development, which follows its own exponential growth according to other external rules and factors, and the delay of a disciplinary debate for affirming different ways of using these technologies, based on a critical awareness that knows how to question the real and necessary validity of those same technologies. But, to what extent are heritage and digital currently orientated towards the creation of a new cultural approach capable of developing real integration between the two key factors of the problem? The theme of technology must necessarily and without delay, be repositioned at the core of our reflection, so that it may actually give a valuable contribution to the achievement of full equality, inclusiveness, sustainability of growth, which may ultimately strengthen the centrality of Cultural Heritage.

Organized by:

UVIC

UNIVERSITAT DE VIC
UNIVERSITAT CENTRAL
DE CATALUNYA

Escola
de Doctorat

Unitat de
Divulgació
Científica

Sponsored by:



Obra Social "la Caixa"