3D DIGITAL TECHNIQUES APPLIED TO NEW DESIGN PRODUCTS BASED ON CULTURAL HERITAGE ELEMENTS

DE CÓZAR MACÍAS, Óscar David (a); FLORES RODRÍGUEZ, María Sonia (b); BLÁZQUEZ PARRA, Eldia Beatriz (a); LADRÓN DE GUEVARA MUÑOZ, Carmen (a); MARÍN GRANADOS, Manuel Damián (a)

(a) Escuela Politécnica Superior. Universidad de Málaga
(b) Fundación Centro Tecnológico Andaluz de la Piedra (CTAP)

Abstract

The aim of this paper is to present the 3D digitalization and posterior treatment of complex heritage elements existing in the Alhambra Palace, so that they can be used as the starting point for the development of new products.

Not only are the direct results of 3D digitalization exploitable and essential for the documentation, recording and research of heritage elements, but also these 3D files compiling the original elements are to be used as the blueprints for the future development of new products and designs, such as constructive elements regarding their application at interior design and architecture projects. The enrichment provided in new products is undeniable as they will depart from the same provenance as the heritage element, which allows the product to increase its market value, and the opening of new Market niches.

It is very important to highlight that any new product creation process will be grounded in full respect and protection of cultural heritage. For this reason, under no circumstances will the original elements be completely reproduced, not even partial developments of them since this action could undergo the risk of a non-responsible reproduction of the heritage elements.

References