

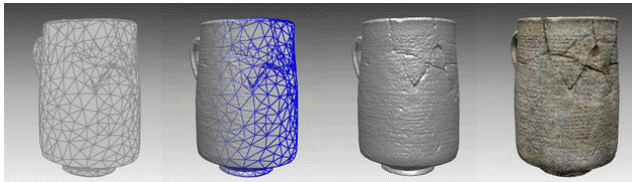
Digitizing Artefacts

Original (Image)



The shape of this antique (roman) jug was measured by means of a 3D-scanner. Different views of the jug were combined into a 3-dimensional computer model, which presents the shape, color and the reflectance of the artefact.

Steps of the Digitization



Virtual Museum

The current scanning technology produces virtual objects of great accuracy, detail and quality. These models are particularly suitable for presentations and exhibitions because their shape and appearance are a true copy of the original. They can be studied from various viewpoints, without the risk of damaging the object. If the original will be lost the model would become invaluable.

An Object (left) and its 3D-Model (right)



The ViHAP3D-Project

develops computer graphics tools to digitize and to present cultural artefacts. The generated high quality models can be used by researchers worldwide for scientific purposes. Furthermore, they can be presented to the general public as in this exhibition.

The Exhibition

is initially divided into two apparent separate fields: on the one hand an exposition of real objects and on the other hand a presentation of a virtual museum featuring 3D-models. By demonstrations and lectures these two worlds of perception will be brought together.

The ViHAP3D Consortium

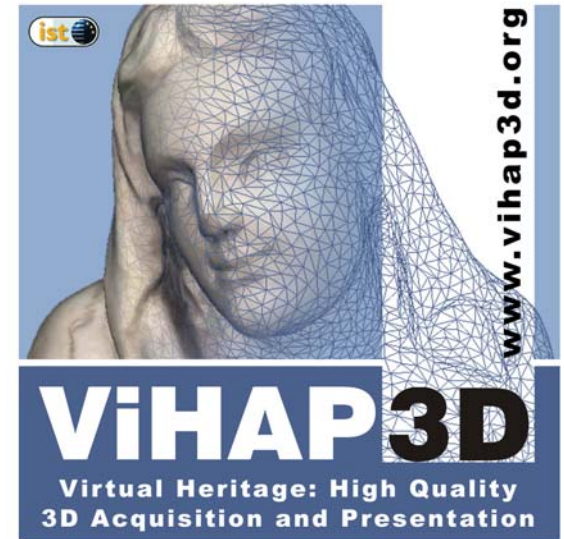


associated with



funded by the European Union

www.vihap3d.org



Exhibition and Workshop

Real and Virtual World in Dialogue 2000 Years of Ceramics in the Saar Region

Exhibition:

September 15th to October 8th 2003

Workshop:

Oktober 7th, 10.00 a.m – 4.00 pm

Max-Planck-Institut für Informatik
Stuhlsatzenhausweg 85, 66123 Saarbrücken
contact: info@vihap3d.org
www.vihap3d.org

Cultural Heritage in Europe

The cultural heritage contained in Europe's museums and galleries is one of the European Union's greatest assets. Europe holds the world's largest collection of artefacts and documents on the cultural heritage of mankind. Cultural heritage represents an enormous wealth for Europe which is often not fully exploited or even neglected.

In the past conservation has usually been a burden on public expenditure rather than a potential source of revenue. Access has been restricted to those with time and money for travel and study. Today, the development of advanced communications and information technology provides the possibility of improving public awareness and also earning revenues from these resources.

ViHAP3D is a project funded by the EU

ViHAP3D (**V**irtual **H**eritage: High-Quality 3D **A**cquisition and **P**resentation) is funded by the EU. The main objective of the ViHAP3D project is to develop computer graphics tools to digitize and present cultural artefacts. The generated high quality models can be used by researchers and experts (historians, restorators, museums...) worldwide for their research purposes. Furthermore, the models can be presented as virtual exhibits in museums or on their home computers via the internet. Now, European countries have the chance to present their cultural heritage stored in museums or on archeological sites globally by using advanced virtual reality (VR) technology which is based on the latest research results.

Real and Virtual World in Dialogue 2000 Years of Ceramics in the Saar Region

This international model exhibition exemplifies the use of novel **3D digitizing technology** in cultural heritage.

The exhibition presents a collection of real ceramic artifacts of the last 2000 years found as relicts in the Saar Region of the Celtic and Roman time or produced by the factories of the company Villeroy und Boch (Mettlach, Germany) and the „Fayencerie“ in Saarguemines (Lothringen, France). The exponents will be thematically centered around the areas of light, washing, eating and drinking. Besides the real object there is a demonstration of virtual objects, a presentation of the digitization process and practical demonstrations of some possible applications

Aim of the Exhibition

The aim of this international model exhibition is to to better integrate the results of science into the society and to get feedback of the visitors regarding the 3D digitizing technology.

This model exhibition offers the opportunity

- To advance the public understanding of scientific results and aims
- To inform the public and the experts in art history about methods und activities of the current research in Computer Science.

Please mark with a X:

I am interested in visiting this exhibition

I am interested in joining the workshop „Virtual and Real World in Dialogue, 2000 years of Ceramics in the Saar Region“. Please send me further information !

My address: (name, institution, address, tel, fax, e-mail)

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