

Digitizing Artefacts

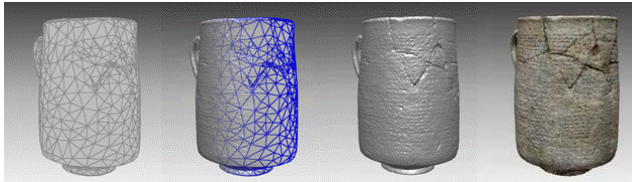
Original (Image)



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)



Arrival by plane

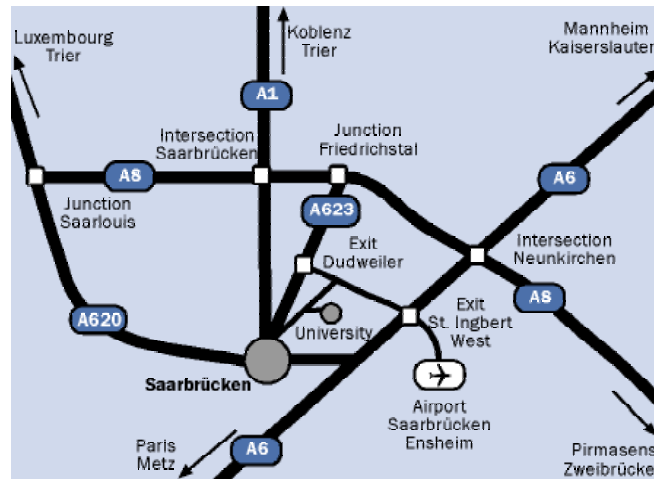
The Saarbrücken airport is quite small and has a very limited number of flight destinations, so most of you will probably arrive at Frankfurt Main and Luxembourg airports: (btw, Ryanair offers very cheap flights to Frankfurt Hahn!)

You can either rent a car at the airport (approx. 1.5 hours to Saarbrücken) or take a bus to Frankfurt Main Station, or use an airport shuttle service.

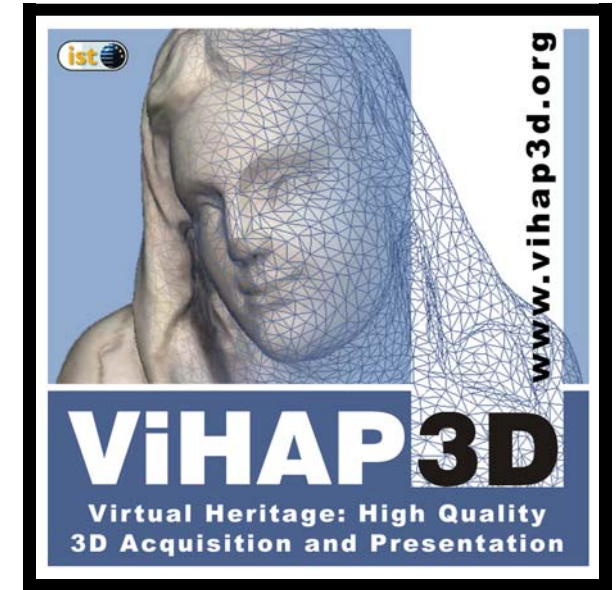
Trains from Frankfurt and Luxembourg city to Saarbrücken leave roughly every hour and take about 2-3 hours.

Arrival by car

The Max-Planck-Institut für Informatik is located on the campus of the Universität des Saarlandes at some 5 km north-east of the center of Saarbrücken in the forest close to Dudweiler.



- from Mannheim/Karlsruhe/Kaiserslautern direction via motorway A6
- from Paris / Metz direction via motorway A6
- from Luxembourg direction via motorway A620
- from Trier / Koblenz via motorway A1
- from Saarbrücken-Ensheim, Airport by taxi approx. 20 min.



WORKSHOP

Real and Virtual World in Dialogue

2000 Years of Ceramics in the Saar Region

October 7th, 10.00 am – 6.00 pm

Max-Planck-Institut für Informatik
Stuhlsatzenhausweg 85
66123 Saarbrücken
Phone. +49.681.9325404
Fax: +49.681.9325499
Contact: info@vihap3d.org

www.vihap3d.org/exhibition

The ViHAP3D-Project

ViHAP3D (Virtual Heritage: High-Quality 3D Acquisition and Presentation) 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.

Aim of the Workshop and the Exhibition

The aim of this international workshop is to better integrate the results of science into the society and to get feedback of the visitors regarding the 3D digitizing technology. This offers the opportunity to advance the public understanding of scientific results and aims and to inform the public and the experts in art history about methods und activities of the current research in computer science.

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.

Participants of the Workshop

The scientists of the ViHAP3D consortium want to present the first results of the project to the possible endusers, such as conservators and curators, teachers and researchers in order to evaluate their familiarity with 3D models and their feelings towards this new technology.

The relatively scarce familiarity with „Innovative Technology“ found among Museum operators, their tendency to delegate the setting up of the digital presentations of their collections to external companies and - last but not least - the impossibility of offering to all of them significant advantages for their involvement was the motivation to disseminate information on the project and to invite people who are interested in this field to join this workshop.

The participation of the workshop is free of charge

ViHAP3D is funded by the European Union
www.vihap3d.org

Schedule

09.30-10.00	Registration
10.00-10.20	Opening of the workshop The goals and expected results of the ViHAP3D <i>Prof. Dr. Hans-Peter Seidel, MPI Informatik, Germany</i> The goals of the exhibition “Real and Virtual World in Dialogue” <i>Dr. Ulrike Wendland, Staatliches Konservatoramt des Saarlandes, Germany</i>
10.20-10.40	A 3D model to be explored: a precious help for restoration <i>Prof. Dr. Roberto Scopigno, Consiglio Nazionale Delle Recherche (C.N.R.), Italy</i>
10.40-11.00	A 3D model and the light: a difficult relationship <i>Michael Goesele, MPI Informatik, Germany</i>
11.00-11.20	Coffee Break
11.20-11.40	A 3D model to communicate a technological potentiality <i>Prof. Dr. Pere Brunet, Universitat Politècnica de Catalunya, Spain</i>
11.40-13.00	A guided tour through the exhibition
13.00 -14.00	Lunch
14.00-14.30	Multimedia and communication inside a museum. The experience of the British Galleries <i>Dinah Casson, Casson Mann, Great Britain</i>
14.30-15.00	To run a monumental complex: aims and goals of 3D Models in the management scope <i>Prof. Giovanni Padroni, Opera della Primaziale Pisana, Member of the Board of Trustees, Italy</i>
15.00-15.15	Coffee Break
15.15-15.45	Museums visitors and New technologies. Empirical evidences <i>Dr. Ludovico Solima, II Università di Napoli, Italy</i>
15.45-16.15	Virtual Heritage in Schools, empirical evidences <i>Philip Martinez, Ecole Normale Supérieure, Italy</i>
16.15-17.30	Discussion Panel <i>Dr. Clara Baracchini (SBAAAS Pisa, Italy)</i>

Please mark with a X:

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)

ViHAP3D
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