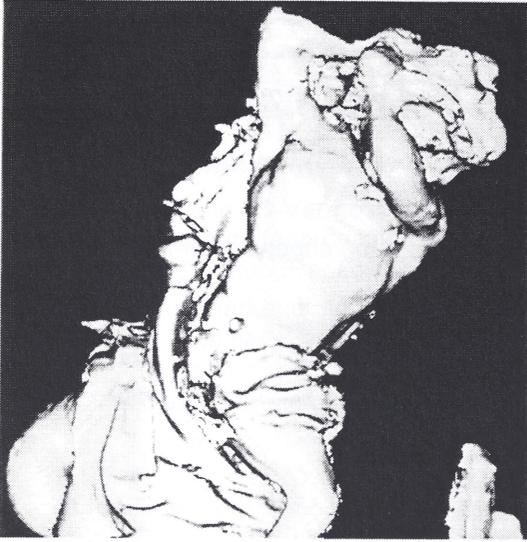# Gesellschaft zur Förderung angewandter Informatik e.V.

Society for the Promotion of Applied Computer Science

3D Model generated of 3D open-air takings

The GFaI (Society for the Promotion of Applied Computer Science) was founded on 1st June 1990 in Berlin and promotes non-profit research projects. It is located in one of the largest European IT & MM-Parks in Berlin-Adlershof.

With about 65 employees the GFaI works especially in the fields of Image Processing, Multimedia and Information Systems. Furthermore modern Technologies of Knowledge Based Information Systems, Fuzzy, Neuron Networks and Evolution Strategies as well as "Acoustic Photography" are used.

Beginning with the successful co-operation of the GFaI in the VASARI Project (1992) and the continuation of the contents in the MUSA Project coordinated by the GFaI (1994) the GFaI is responsibly involved as co-organiser in the annual organisation of the EVA Series since 1994 in Berlin. The co-operation with the SMPK (State Museums of Berlin – Prussian Cultural Heritage), the FHTW Berlin (University of Applied Sciences) and other institutions extend the opportunities and scope of this event. The GFaI itself has developed various activities in the field of Art, Culture, History.

Completed Cultural Oriented Projects (selection):

VASARI
Starting study of the Application of Image Processing in the Visual Arts

MUSA
Study of the Content-Based Retrieval in Image Databases

MUSA
3D-Modelling and Visualization of the Altar of the Pergamon Museum (IIEF as a subcontractor of the GFaI)

VAMP
Production of Personalized Catalogues for Museums and Galleries

Puzzle
Image Processing Aided Automated Puzzling of 2D & 3D Archaeological Fragments

Ostrogoths Treasures
Multimedia Presentation of the Ostrogoths Treasures at Bevern Castle

The Berlin Style Guide
Rules for the Development of Unified Interfaces for Berlin Information Supplier also in the Cultural Field

Processing Cultural Oriented Projects (selection):

3D Acquisition
Computer-assisted 3D Acquisition, Modelling and Documentation for Culture, Art, History and Medicine

SpuBiTo
Reconstruction of Sound Information from Negatives of Edison Cylinders with Help of Image Analysis

Stadtplan
Multimedia Planning System for Urban Development and Architecture with the Aim of an Automatic Generation of Views of Future Towns

Stadtschloß
German-Japanese Project for the Virtual Reconstruction of the Berlin City Palace and the Nobunaga-Residence (together with IIEF)

Results in other fields like Image Processing, Visualization, Intelligent Character Recognition, Document Processing, Information Systems etc. are aimed at future applications also in Culture, Art and History.

Further Information: GFaI Homepage http://www.gfai.de