



3D-Models, virtual reconstructions and interpreted point clouds are since some time omnipresent in Architectural History and Building Archeology. Usually the underlying complex elaboration processes are not apparent in the result. Backed by the London Charter for the computer-based visualisation of cultural heritage, there are a lot of efforts to integrate (1) information about human processes of understanding and interpretation of data objects (paradata) and (2) information about semiautomated interpretation processes into a scientifically valid computer model. The international conference not just shows the state of the art. It aims to bring together major exponents in the field, to discuss emerging standards and to disseminate shared best practices which enable us to fully exploit the potential of digital Architectural History.



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UNIVERSITÀ
DEGLI STUDI
FIRENZE

DIDA
Dipartimento
di Architettura

7-8 November 2018

Venue: H 2036

Main Building, Technische Universität Berlin, Straße des 17. Juni 135, 10623 Berlin

Virtual Models and Scientific Value

Historic Studies and Virtual Models in the Age of Digital Humanities

Wednesday 7 November

9:00

Opening Words

JOHANN KÖPPEL *Dean, School VI Planning Building Environment, Technische Universität Berlin*

JÖRG GLEITER *Director Institute for Architecture, Technische Universität Berlin*

Introduction

HERMANN SCHLIMME | SABINE FROMMEL

Technische Universität Berlin | École Pratique des Hautes Études - Sorbonne, Paris

9:45

Session 1 | Chair: Emanuela Ferretti papers 25-30 minutes + 10 minutes discussion

HERMANN SCHLIMME | BERNADETA SCHÄFER | OLGA ZENKER | CONSTANZE BIEBER

Technische Universität Berlin

The Nubian village Balle: social and spatial structure explained through a virtual model

10:20 - 10:50

coffee break

SABINE FROMMEL *École Pratique des Hautes Études - Sorbonne, Paris*

Leonardo and the project for the tiburium of Milan cathedral

FABRIZIO IVAN APOLLONIO *Università degli Studi di Bologna*

Reconstruction and structural reenacting of Leonardo's project for the tiburium of Milan cathedral

ALEXANDER VON KIENLIN *Technische Universität Braunschweig*

Vom Magnetogramm zum Computermodell. Chancen und Grenzen digitaler Datenerhebungs- und Verarbeitungsketten in der bauarchäologischen Forschung

12:50

lunch

14:30

Session 2 | Chair: Hermann Schlimme papers 25-30 minutes + 10 minutes discussion

EMANUELA FERRETTI | DAVIDE TURRINI *Università di Firenze | Università di Ferrara*

The scientific value of Renaissance for all. Sources, targeting, reconstruction and exhibition design

ROBERTA BARSANTI | MONICA TADDEI *Museo Leonardiano, Vinci*

Topic to be defined

15:50 - 16:20

coffee break

GEORG SCHELBERT *Humboldt Universität zu Berlin*

Modelling digitally - facts, events, and objects

GUNNAR SCHULZ-LEHNFELD *Technische Universität Braunschweig*

Documentation and analysis of Michelangelo's architectural detail

18:00 - 18:30

break

18:30

Keynote-Lecture

LIVIO DE LUCA *CNRS Marseille*

Embedding human knowledge into 3D representations: scientific challenges and technological issues

Thursday 8 November

9:30

Session 3 | Chair: Sabine Frommel papers 25-30 minutes + 10 minutes discussion

MARCO DI SALVO | LIVIO DE LUCA *Università di Firenze | CNRS Marseille*

Characterization of the columns of the Lumaca, i.e. helical staircase, of the Vatican Belvedere

ANKE NAUJOKAT | TOBIAS GLITSCH | HERMANN SCHLIMME

Rheinisch Westfälische Technische Hochschule Aachen | Technische Universität Berlin

baureka.online - Research Repository, Catalogue and Archive for Architectural History and Building Archeology

10:50 - 11:20

coffee break

DOMINIK LENGYEL *Brandenburgische Technische Universität Cottbus-Senftenberg*

Topic to be defined

GUDRUN STYHLER | MARKUS PÖCHTRAGER | MARINA DÖRING-WILLIAMS *Technische Universität Wien*

Bridging the Gap. Digital Models of Historic Roof Structures for Enhanced Interdisciplinary Research

12:45

Final discussion

13:00

End of conference