



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.



DIPARTIMENTO DI ARCHITETTURA



École Pratique
des Hautes Études



Biblioteca
Leonardiana



histoire de l'art, des représentations,
des pratiques et des cultures administratives



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

ANGELA MILLION Vice 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, PSL (research university Paris)

9:45

Session 1 | Chair: Emanuela Ferretti

HERMANN SCHLIMME | BERNADETA SCHÄFER | OLGA ZENKER | CONSTANZE BIEBER

Technische Universität Berlin

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

10:30 - 11:00

coffee break

SABINE FROMMEL École Pratique des Hautes Études, PSL (research university Paris)

Leonardo and the project for the tiburium of Milan cathedral

FABRIZIO IVAN APOLLONIO | MARCO GAIANI | GIANNA BERTACCHI

Università degli Studi di Bologna | Dipartimento di Architettura

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

12:30 - 15:00

event for speakers

lunch

15:00

Session 2 | Chair: Hermann Schlimme

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

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

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

ALEXANDER VON KIENLIN Technische Universität Braunschweig

From magnetograms to computer models. Digital methods and new opportunities in building archeology

Thursday 8 November

9:15

Session 3 | Chair: Sabine Frommel

MARCO DI SALVO Università di Firenze

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

ANKE NAUJOKAT | TOBIAS GLITSCH | FELIX MARTIN | HERMANN SCHLIMME

Rheinisch Westfälische Technische Hochschule Aachen | Technische Universität Berlin

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

10:45 - 11:15

coffee break

DOMINIK LENGYEL Brandenburgische Technische Universität Cottbus-Senftenberg

Architectonic design as the key element of scientific archaeological visualisations

GUDRUN STYHLER | MARKUS PÖCHTRAGER Technische Universität Wien

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

12:40

Final discussion

13:00

End of conference