

# Virtual Models and Scientific Value

Historic Studies and Virtual Models in the Age of Digital Humanities

7. - 8. November 2018

H 2036

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

## 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, 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 Balte: 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 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 | MARINA DÖRING-WILLIAMS *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