

Virtual Models and Scientific Value (Berlin, 7–8 Nov 18)

Technische Universität Berlin, Straße des 17. Juni 135, 10623 Berlin, Main Building, H 2036, Nov 7–08, 2018

Prof. Dr.-Ing. Hermann Schlimme, Bibliotheca Hertziana - Max-Planck-Institut für Kunstgeschichte

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.

PROGRAM

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"

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"

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"

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"

18:30 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"

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"

13:00 End of conference

Reference:

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