

WORKSHOP AT THE NIAS

DIGITIZING VISUAL MEMORIES IN ARCHITECTURE: ROME AND AMSTERDAM



In this workshop, we will explore the usage of visual digital research tools to clarify patterns in the transformations of buildings, from antiquity until the early modern era. The focus will be on two sets of monuments, one in and around Rome, the second in Amsterdam.

9-10 JUNE 2015

Venue

NIAS Netherlands Institute for Advanced Study
Meijboomlaan 1, 2242 PR Wassenaar
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The usage of 3D reconstructions during the research into built environments offers new insights and a new approach for analyzing data. The many perspectives on the actual building itself, i.e. the spatial context, and the possibility of visualizing the architectural phases through time (the '4D' element), makes 3D modeling an innovative tool for the specialist. The path that leads to the final reconstruction of the building is documented and this documentation generates a vast amount of new data otherwise never encountered. 3D Reconstructions offer a virtual world where various kinds of experiments can be conducted by scientists in the Humanities. In addition, this technology contributes to the presentation of new knowledge to a wider public through websites, virtual and augmented reality worlds and applications

During this workshop we will address case studies in various stages of digital sophistication: from finished models to research priorities. A twofold geographical focus –Italy/Rome and the Netherlands/Amsterdam – and the diachronic organization – pagan Antiquity, the Christian Middle Ages, the Renaissance, and the Early Modern era – will enable the speakers and the audience to make comparisons, to reflect on differences and similarities, and, in the end, analyze trends, structures and patterns, both in the realities that are studied and in the collaborative efforts of specialists in various fields or disciplines. The aim is to specify the intentions, prospects and limits of sophisticated digitalization in the visual sphere, and to assess how visual digitizing relates to the more common approach of digital research into large textual and visual datasets.

Among the 20 invited national and international speakers are Bernard Frischer, Ian Haynes, Rens Bod, Ingrid Rowland, Francesco Gabellone, Danilo Di Mascio, Carlo Rescigno, Sible de Blaauw, Jerzy Gawronski, Amy Russell, Lex Bosman, Bram Kempers, Patricia Lulof and the 4D Research Lab.



UNIVERSITY OF AMSTERDAM

ASHMS
Amsterdam School for Heritage and Memory Studies



Amsterdam Centre for
Cultural
Heritage &
Identity



**4D
Lab**



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PROGRAMME

June 9 (10.00-17.00): Rome

- Chair:** Eric Moormann, Radboud University Nijmegen
- 10.00 Paul Emmelkamp, Chairman NIAS
Opening-Welcome
On theory, practice and future projects
- 10.20 Rens Bod, University of Amsterdam
Integrating Digital and Hermeneutic Scholarship: Humanities 3.0
- 10.40 Ingrid Rowland, University of Notre Dame
Vitruvius--the basilica at Fano
- 11.00 Coffee-break
- Rome: Middle Ages and Renaissance*
- 11.20 Lex Bosman, University of Amsterdam
Re-assessing models of interpretation; new ideas about St. John in the Lateran (4th century)
- 11.40 Ian Haynes, University of Newcastle
The Lateran Project: A Review of the Digital Data from the excavations under St. John Lateran
- 12.00 Claudia Bolgia, University of Edinburgh
The 'biographies' of S. Maria in Capitolio/Aracoeli in Rome (c. 500-1450): archaeology, architecture, and the possibilities of 3D reconstructions
- 12.20 Sible de Blaauw, Groningen University
Anomalous architecture: the case of Santa Maria Maggiore, Rome
- 12.40 Bram Kempers, University of Amsterdam
The Pope's Penthouse. Recreating the art of Raphael, Ruysch and Bramante
- 13.00 Lunch
- Chair:** Rens Bod, University of Amsterdam
Rome: Antiquity
- 14.00 Patricia Lulof, University of Amsterdam
Reconstruction of temples at the dawn of the Roman Republic. The discovery of Chaîne Opératoire and ancient building techniques
- 14.20 Carlo Rescigno, Seconda Università di Napoli
Vergil, Augustus and the cumaean Acropolis. Stratified and multilinked tales
- 14.40 Charlotte Potts, University of Oxford
Reconstructing the tuscanicae dispositiones: Vitruvius and Pre-Roman temples
- 15.00 Jens Pflug, Eidgenössische Technische Hochschule
Imperial palaces in Rome. Historical dimension of reconstruction drawings from the Palatine
- 15.20 Amy Russell, Durham University
3D modelling and lines of sight in Roman architecture: the view from the street
- 15.40 Tea-break
- 16.00-17.00 *Discussion* (Bram Kempers president)
- 17.00 *Drinks*
- 19.00 *Conference dinner*

June 10 (10.00-17.00): Amsterdam

- Chair:** James Symonds, University of Amsterdam
Introduction. Theory, Practice and Future Projects
- 10.00 Bernard Frischer, Indiana University
The Virtual World Heritage Laboratory: Mission, Methods, and Recent Projects
- 10.20 Francesco Gabellone, IBAM ITlab
3d Technologies and Communication: prospects and expectations
- 10.40 Karen Forbes, University of Edinburgh
Layering time in three dimensional space
- 11.00 Jan de Rode, DeRoDe3D
Truth and credibility as a double ambition: dilemmas in reconstructing the built past
- 11.20 Coffee-break
- Amsterdam Golden Age*
- 11.40 Charles van den Heuvel, University of Amsterdam
Golden Agents: Creative Industries and the Making of the Dutch Golden Age
- 12.00 Jerzy Gawronski, University of Amsterdam
 Finds from the Amstel. Mirror of the City
- 12.20 Gabri van Tussenbroek, Utrecht University
Reconstructing Cornelis Anthonisz (1538)? Building Archaeological Implications for the Visualization of the Historic Town
- 12.40 Madelon Simons, University of Amsterdam
Amsterdam around 1550 in ortho- and nadir view
- 13.00 Lunch
- Chair:** Julia Noordegraaf, University of Amsterdam
Modern Era
- 14.00 Peter Eversmann, University of Amsterdam
A 1658 attempt to depict the Amsterdam Schouwburg by van Campen in 3d; source materials for a 21st century visualization?
- 14.20 Julia Noordegraaf, University of Amsterdam
Behind the scenes. The re-creation of the first movie theatre of Amsterdam
- 14.40 Danilo Di Mascio, Northumbria University
Digital reconstructions of tangible memories: the case of Ghent
The 4D Research Lab and Phd Projects
- 15.00 Loes Opgenhaffen, University of Amsterdam
More than aesthetics: 3D modelling and scientific data representation
- 15.15 Maarten Sepers, University of Amsterdam
Rebuilding Acquarossa: from archaeology to reconstruction
- 15.30 Rens de Hond, Radboud University Nijmegen
A pyramidal structure along the Via Appia
- 15.45 Tea-break
- 16.00-17.00 *Discussion* (Bram Kempers president)
- 17.00 *Drinks*