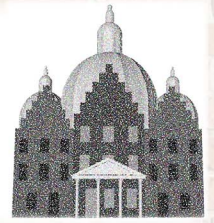# WORKSHOP AT THE NIAS
DIGITIZING VISUAL MEMORIES IN ARCHITECTURE: ROME AND AMSTERDAM

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
Information and **registration**: l.opgenhaffen@uva.nl

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 digitization 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.
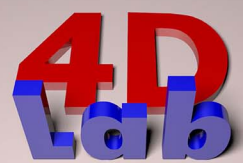
NIAS

UNIVERSITY OF AMSTERDAM

ASHMS
Amsterdam School for Heritage and Memory Studies

Amsterdam Centre for
Cultural
Heritage &
Identity

ACASA
AMSTERDAM CENTRE
FOR ANCIENT STUDIES
& ARCHAEOLOGY

4D Lab

DIGITIZING VISUAL MEMORIES IN ARCHITECTURE: ROME AND AMSTERDAM

June 9 (10.00-17.00)

10.00 Paul Emmelkamp, Chairman NIAS, **welcome**

Chair: Eric Moormann, Radboud University Nijmegen
On Theory, Practice and Future Projects

10.10 Rens Bod, University of Amsterdam

Integrating Digital and Hermeneutic Scholarship: Humanities 3.0

10.30 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, Radboud University Nijmegen

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, Lotto 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, Zürich

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 *Discussion* (Lex Bosman president)

17.00 *Drinks*

19.00 *Conference dinner*

June 10 (10.00-17.00)

Chair: James Symonds, University of Amsterdam
On Theory, Practice and Future Projects

10.00 Bernard Frischer, Indiana University

The importance of reconstructing the sky. Two Roman archaeoastronomical studies

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 and intangible memories: the case of the Book Tower, 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, Free University Amsterdam

3D reconstruction of funerary architecture along the Via Appia

15.45 Tea-break

16.00 *Discussion* (Bram Kempers president)

17.00 *Drinks*