

Geometrical Objects

Architecture and the Mathematical Sciences 1400-1800

**Museum of the History of Science
and Worcester College, University of Oxford
19-20 March 2007**

Note that the conference is fully subscribed and no more registrations can be taken.

Final programme

Each paper has a 40 minute slot: 25 minutes for the talk and 15 for questions.

Day 1: Museum of the History of Science

Registration is in the Education Room and the sessions are in the Basement Gallery. On arrival, enter through the gates on Broad Street, go down the stone stairs to basement level and through the double glass doors.

9.00 - 10.00 Registration (Tea and Coffee)

10.00 - 10.20 Welcome and Introduction: Anthony Gerbino

Session I: Renaissance Architecture and Mathematical Practice

Chair: Mario Carpo

10.30 Francesco Benelli, Dept of Art History and Archaeology, Columbia University
"Invisible Geometry: The Case of the Palazzo Del Podestà in Bologna"

11.10 Ann Huppert, School of Architecture, University of Kansas
"Baldassarre Peruzzi, Antonio da Sangallo the Younger, and Practical Mathematics in Renaissance Architectural Practice"

11.50 David Friedman, Department of Architecture, Massachusetts Institute of Technology
"UA 4180: Survey and Urban Design in the Rome of Paul IV"

12.30 - 13.00 Discussion

13.00 - 15.00 Lunch

This lunch will not be catered. A list of nearby pubs and restaurants will be provided.

Session II: Renaissance Architecture and Mathematical Theory

Chair: Marco Panza

15.00 Bernard Cache, Berlage Institute, Rotterdam and Objectile, Paris
"Commensurability and Proportionality in the *De Architectura*"

15.40 Henk J. M. Bos, Mathematisch Instituut, Universiteit Utrecht
"When Is a Curve Known? The Reaction of 17th-century Mathematicians to the New Wealth of Hitherto Unknown Curves"

16.20 Jacques Heyman, Faculty of Engineering (Emeritus), University of Cambridge
"Geometry, Mechanics, and Analysis in Architecture"

17.00 - 17.30 Discussion

17.30 - 18.00 Tea and Coffee

19.30 Dinner at Worcester College for speakers and session chairs

Day 2: Worcester College (The Lindbury Room)

9.00 - 10.00 Tea and Coffee

Session III: The Baroque Synthesis

Chair: Martin Kemp

10.00 Susan Klaiber, Winterthur, Switzerland
"Architecture and Mathematics in Early Modern Religious Orders"

10.40 Kirsti Andersen, The Steno Institute, History of Science Department, Aarhus University
"The Geometry of an Art: Architects and Perspective"

11.20 Filippo Camerota, Istituto e Museo di Storia della Scienza, Florence
"A Scientific Concept of Beauty in Architecture: Vitruvius Meets Descartes, Galileo, and Newton"

12.00 - 12.30 Discussion

12.30 - 14.30 Lunch

A sandwich/cold buffet lunch will be provided for all participants at Worcester in the room next to the meeting hall.

Session IV: The 18th century and the End of the Classical Tradition

Chair: Jim Bennett

14.30 Pascal Dubourg Glatigny, Centre Alexandre Koyré, CNRS, Paris
"Architecture and Science in Rome, 1740: The St-Peter's Dome Collapse"

15.10 Stephen Johnston, Museum of the History of Science, University of Oxford
"Fit for a King? Architecture, Instruments and Audience in 18th-century England"

15.50 Jeanne Kisacky, University of Syracuse
"Breathing Room: Calculating an Architecture of Air"

16.30 - 17.00 Discussion

17.00 - 17.30 Concluding Remarks: Mario Carpo, Marco Panza