

Tentative Program for Building *Roma Aeterna*

**Thursday, 27 March 2008 Villa Aurelia and American Academy in Rome**

Opening remarks by a representative from AAR, and the organizers of the seminar at the Villa Aurelia 16:00

John P. Oleson, "*Harena sine calce*": *Construction Disasters and Incompetent Architects in Ancient Rome* 16:10-17:00

Reception following his paper and the Q&A 17:15-17:45

Dinner for speakers at the American Academy 18:00

**Friday, 28 March 2008 British School at Rome**

Morning Session:

9:45 Welcome and Introduction – Andrew Wallace-Hadrill/Susan Russell

**Roman Mortar and Concrete in Italy and the Empire:**

**Session I:** Chair: Janet DeLaine

10:00-10:20 Lynne Lancaster, *The Use of Lightweight Concrete in Rome and Cilicia*

10:30-10:50 E. Bianchi, R. Meneghini, Marie Jackson and F. Marra:  
*Variations in the compositions of fine and coarse aggregate (harenae fossiciae and caementa) within opus caementicium in the Basilica Ulpia and Trajan's Forum, Implications for highly efficient worksite management and skilled workforce.*

**Coffee Break** 11:00-11:15

11:20-11:40 Stefano Camporeale, *Mortar and rubble in military buildings in Mauretania Tingitana: the example of Thamusida* (Sidi Ali ben Ahmed, Morocco)

11:50-12:10 G. Vola, *Mineralogical and petrographic characterization of Roman ancient concretes from Santa Liberata and Caesarea.*

12:20-12:40 Philip Brune and Renato Perruchio, *On the Numerical Simulation of the Mechanical Behavior of "Opus Caementicium": Opportunities and Challenges*

**Lunch** – 13:00-14:30

## **Roman Mortar and Concrete in the Empire and the Empire**

**Session II:** Chair: John P. Oleson

14:30 – 14:50 Arnaud Coutelas, *Selection and use of the lime mortars on the building sites of Roman Gaule.*

15:00 – 15:20 Pier Luigi Tucci: “Concrete or not concrete”?  
*The builders' assessment during the 4th-century restorations of the Temple of Peace'.*

15:30-15:50 Chris Brandon, *Roman formwork designs for underwater concrete.*

**Tea Break** 16:00-16:20

16:20-16:40 R. L. Hohlfelder, C. Brandon, and J.P. Oleson, *The Roman Maritime Concrete Study: Recent Field Work 2005-2007.*

16:50 – 17:10 Khaled Al-Bashairch, *Mortar Dating at Petra, Jordan.*

17:20-17:40 Ruth Siddall, *From kitchen to bathhouse: the use of waste ceramics as pozzolanic additives in Roman mortars.*

**Reception** 18:00 – 18:30

**Dinner** at the BSR (19.00 or 19.30)

**29 March (Saturday) IRF, Villa Lante**

9:45 Welcome K. Sandberg

**MORTAR DATING – IN THE ROMAN WORLD AND BEYOND**

**CHAIR: (A VISITING ITALIAN OFFICIAL?)**

10:00-10:20 John R. Hale, *Achievements and stumbling blocks in mortar dating – what areas of archaeology offers the greatest hope of major advances in dating.*

10:30 – 10:50 Åsa Ringbom, *Mortar Dating and Roman Pozzolana - results and interpretations.*

**Coffee Break** – 11:00-11:15

11:20-11:40 Jan Heinemeier: *The Scientific background of Mortar Dating.*

**Lunch** - Walk to the American Academy

14:00-14:20 - *Alf Lindroos, Mineralogical and Geological aspects on problems in Mortar Dating.*

14:40-15:10 – *Stephanie Maloney, and Maia Langley, A Comparison of Dating Techniques at Torre de Palma, Portugal: Mortars and Ceramics*

15:20 – 15:40 *Heikki Ranta and Joakim Hansson, About Dating the Medieval Churches on Gotland.*

15:50 - Closing Comments

16:00 - 16:45 **Closing Reception, Villa Lante**

Participants are on their own for **dinner**.