



Shenkar College of Engineering and Design.
Ramat Gan, Israel



Università degli Studi di Pavia
Dipartimento di Ingegneria Edile e Architettura



Università degli Studi di Firenze
DIDA - Dipartimento di Architettura



Laboratorio congiunto
Landscape Survey & Design. Firenze



INTERNATIONAL WORKSHOP AND CONFERENCE UNESCO ARCHAEOLOGICAL SITES: EXPERIENCES OF INVESTIGATION

ORGANIZING COMMITTEE

STEFANO BERTOCCI	UNIVERSITY OF FLORENCE
SANDRO PARRINELLO	UNIVERSITY OF PAVIA
REBEKA VITAL	SHENKAR COLLEGE, ISRAELE

SCIENTIFIC COMMITTEE

FERDINANDO AURICCHIO	UNIVERSITY OF PAVIA
BENEDETTA ADEMBRI	DIRETTORE AREA ARCHEOLOGICA DI VILLA ADRIANA
STEFANO BERTOCCI	UNIVERSITY OF FLORENCE
MARCO BINI	UNIVERSITY OF FLORENCE
ELENA CALANDRA	SOPRINTENDENTE SOPRINTENDENZA PER I BENI ARCHEOLOGICI DEL LAZIO
VITTORIO CASELLA	UNIVERSITY OF PAVIA
CARLO CIAPONI	UNIVERSITY OF PAVIA
SERGIO DI TONDO	UNIVERSITY OF FLORENCE
FILIPPO FANTINI	UNIVERSITY OF BOLOGNA
RICCARDO GALLETTI	UNIVERSITY OF PAVIA
MARIA ELENA GORRINI	UNIVERSITY OF PAVIA
MARIA TERESA GRASSI	UNIVERSITY OF MILAN
MAURIZIO HARARI	UNIVERSITY OF PAVIA
STEFANO MAGGI	UNIVERSITY OF PAVIA
LAURA LONGO	RESPONSABILE P.O. UFFICIO MOSTRE, COMUNE DI FIRENZE
SAVERIO MECCA	UNIVERSITY OF FLORENCE
SANDRO PARRINELLO	UNIVERSITY OF PAVIA
ANNA SPALLA	UNIVERSITY OF PAVIA
REBEKA VITAL	SHENKAR COLLEGE, ISRAEL

ORGANIZING SECRETARIAT

SARA BUA	UNIVERSITY OF FLORENCE
ELISABETTA VENCO	UNIVERSITY OF PAVIA
GIORGIA ZURLA	UNIVERSITY OF PAVIA

WORKSHOP

THE MANAGEMENT OF SURVEY DATA FOR THE CONSTRUCTION OF THREE-DIMENSIONAL MODELS FROM POINT CLOUDS

Pavia
3-8 October 2013

2 October

arrival in Pavia
student accommodation in Hostel

the cheapest hostel is the S.Maria in Betlem, in Borgo Ticino
(address: Via Pasino Degli Eustachi, 7, 27100 Pavia, Telephone: +39 331 304 6459)

3 October **DAY OF STUDIES: SURVEY FOR ARCHAEOLOGY**

9:00 start of classes in Faculty of Engineering, Polo Didattico Cravino, via Ferrata, 1, Pavia – room H3

Chairman

SANDRO PARRINELLO *UNIVERSITY OF PAVIA*

CARLO CIAPONI *PRESIDE FACOLTÀ DI INGEGNERIA*

FERDINANDO AURICCHIO *DIRETTORE DEL DICAR*

MARCO MORANDOTTI *PRESIDENTE CORSO DI LAUREA IN INGEGNERIA EDILE ARCHITETTURA*

ANNA SPALLA *RESPONSABILE DEL LABORATORIO DI GEOMATICA*

MAURIZIO HARARI *UNIVERSITY OF PAVIA*

PIERLUIGI TOZZI *PROFESSOR EMERITUS OF ANCIENT TOPOGRAPHY - UNIVERSITY OF PAVIA*

STEFANO MAGGI *DIRETTORE CRIDACT*

MARIA TERESA GRASSI *UNIVERSITY OF MILAN*

10:30

PRESENTATION THE EXHIBITION

THE SURVEY OF VILLA ADRIANA: THE RESULTS OF WORKSHOP OF ARCHAEOLOGICAL SITE
SANDRO PARRINELLO; STEFANO BERTOCCI; FILIPPO FANTINI; SERGIO DI TONDO

PRESENTATION

ELENA CALANDRA *SOPRINTENDENTE SOPRINTENDENZA PER I BENI ARCHEOLOGICI DEL LAZIO*
BENEDETTA ADEMBRI *DIRETTORE AREA ARCHEOLOGICA DI VILLA ADRIANA*

12:00

PRESENTATION OF THE BOOK

MASADA NOTEBOOKS

REPORT OF THE RESEARCH PROJECT 2013

VOL. 1°

EDITED BY

STEFANO BERTOCCI *UNIVERSITY OF FLORENCE*
SANDRO PARRINELLO *UNIVERSITY OF PAVIA*
REBEKA VITAL *SHENKAR COLLEGE, ISRAEL*

14:30 - 18:30 **WORKSHOP THE MANAGEMENT OF SURVEY DATA FOR THE CONSTRUCTION OF THREE-DIMENSIONAL MODELS FROM POINT CLOUDS**

SURVEY EXPERIENCES AND ANALYSIS ON THE FRONT OF THE BASILICA OF SAN MICHELE
ANNA SPALLA *UNIVERSITY OF PAVIA*

THE MANAGEMENT OF POINT CLOUDS CRITICAL READING OF THE DATA
SANDRO PARRINELLO *UNIVERSITY OF PAVIA*

FROM LASER SCANNER SURVEY TO RAPID PROTOTYPING
FILIPPO FANTINI *UNIVERSITY OF BOLOGNA*
SERGIO DI TONDO *UNIVERSITY OF FLORENCE*

Practical activities with Laser Scanner with tutors

4 October

9:00 - 13:00 FROM POINT CLOUDS TO SOLID “WATERTIGHT” MODELS; DIFFERENT TOOLS AND METHODOLOGIES
FILIPPO FANTINI *UNIVERSITY OF BOLOGNA*

14:30 - 18:30 DIFFERENT MODELS FOR THE DOCUMENTATION OF ARCHAEOLOGICAL SITE
SANDRO PARRINELLO *UNIVERSITY OF PAVIA*
SERGIO DI TONDO *UNIVERSITY OF FLORENCE*

MODELS OF LASER PRINTS IN 3D
GIANLUCA PIERI *CMF MARELLI*

EXPERIENCES OF ARCHAEOLOGICAL EXCAVATION AND DOCUMENTATION A CALVATONE (CR)
DANIELE BURSICH *UNIVERSITY OF MILAN*

5 October

EXCURSION: GROTTA DI CATULLO E MUSEO ARCHEOLOGICO DI SIRMIONE

Visit curated by
MARIA TERESA GRASSI *UNIVERSITY OF MILAN*

6 October

VISIT TO THE CITY CENTRE OF PAVIA AND ITS MONUMENTS

Visit curated by
STEFANO MAGGI *UNIVERSITY OF PAVIA*
MARIA ELENA GORRINI *UNIVERSITY OF PAVIA*

7 October

9:00 - 13:00 student activities with tutors
workshop from the 3D model to digital prototyping
management experiences of the files for the production of laser prints in 3D

14:30 - 18:30 student activities with tutors

8 October

TRANSFER TO MILAN

9:00 - 13:00 Visit to the laboratory of CMF MARELLI (Via Casignolo, 10 - 20092 Cinisello Balsamo MI - Italy)
Processing and printing of the models produced by the students

14:30 closure of the session with a presentation of results

18:30 transfer to Florence

CONFERENCE
THE ARCHAEOLOGICAL SURVEY:
UNESCO HERITAGE EXPERIENCES OF RESEARCH

09-10 Ottobre 2013
Palace S. Firenze, Piazza S. Firenze, Firenze

9 October

9:00 *Exhibition*

UNESCO ARCHAEOLOGICAL SITES: SOME EXPERIENCES OF SURVEY AND INVESTIGATION

PRESENTATION

SAVERIO MECCA	UNIVERSITY OF FLORENCE
MARCO BINI	UNIVERSITY OF FLORENCE
STEFANO BERTOCCHI	UNIVERSITY OF FLORENCE
LAURA LONGO	RESPONSABILE P.O. UFFICIO MOSTRE - COMUNE DI FIRENZE
CARLO FRANCINI	RESPONSABILE P.O. PROGRAMMAZIONE EVENTI CULTURALI E UFFICIO UNESCO COMUNE DI FIRENZE

10:00 *Session 1*

THE MASADA RESEARCH: *Presentation of the book*

MASADA NOTEBOOKS
REPORT OF THE RESEARCH PROJECT 2013
VOL. 1°

PRESENTATION

SHRAGA KIRSCHNER	SHENKAR COLLEGE, ISRAELE
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THE SURVEY OF MASADA FORTRESS

STEFANO BERTOCCHI	UNIVERSITY OF FLORENCE
SANDRO PARRINELLO	UNIVERSITY OF PAVIA
REBEKA VITAL	SHENKAR COLLEGE, ISRAELE

15:30 *Session 2*

THE SURVEY OF VILLA ADRIANA: EXPERIENCES IN THE WORKSHOP OF THE
ARCHAEOLOGICAL SITE

CHAIRMAN

REBEKA VITAL	SHENKAR COLLEGE, ISRAELE
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LECTURE

ELENA CALANDRA	SOPRINTENDENTE SOPRINTENDENZA PER I BENI ARCHEOLOGICI DEL LAZIO
BENEDETTA ADEMBRI	DIRETTORE AREA ARCHEOLOGICA DI VILLA ADRIANA
GIORGIO VERDIANI	UNIVERSITY OF FLORENCE
FILIPPO FANTINI	UNIVERSITY OF BOLOGNA
SERGIO DI TONDO	UNIVERSITY OF FLORENCE

18:00

Presentation of the book

ATHENA PROJECT

PROTOTYPE OF MANAGEMENT PLAN FOR ENHANCEMENT OF NEW ACTUALITIES

PRESENTATION

FRANCISCO JUAN VIDAL *UNIVERSITAT POLITÈCNICA DE VALÈNCIA*

10 October

9:30

Session 3

EXPERIENCES IN ARCHAEOLOGICAL SURVEY AND INVESTIGATION

Chairman

STEFANO BERTOCCHI *UNIVERSITY OF FLORENCE*

LECTURE

THE ARCHAEOLOGICAL RUINS OF SAN PIER SCHERAGGIO IN FLORENCE UFFIZI: NEW SURVEY

ANDREA PESSINA *SOPRINTENDENTE SOPRINTENDENZA PER I BENI ARCHEOLOGICI DI FIRENZE*

CARLOTTA CIANFERONI *FUNZIONARIO ARCHEOLOGO DELLA SOPRINTENDENZA PER I BENI
ARCHEOLOGICI DELLA TOSCANA - DIRETTORE MUSEO NAZIONALE DI FIRENZE*

MONICA SALVINI *FUNZIONARIO ARCHEOLOGO DELLA SOPRINTENDENZA PER I BENI
ARCHEOLOGICI DELLA TOSCANA - DIRETTORE MUSEO NAZIONALE ETRUSCO DI
CHIUSI*

THE SITE OF VERUCCHIO

MAURIZIO HARARI *UNIVERSITY OF PAVIA*

THE ARCHAEOLOGICAL SITE OF PALMIRA

MARIA TERESA GRASSI *UNIVERSITY OF MILAN*
DANIELE BURSICH *UNIVERSITY OF MILAN*

NARIKALA FORTRESS'S IN TBILISI: SURVEYS AND INVESTIGATIONS

PAOLA PUMA *UNIVERSITY OF FLORENCE*

13:00

closing