

International Workshop
Diagnostics for Cultural Heritage: Research, Conservation, Accessibility

Scuola Normale Superiore in collaboration with Opificio delle Pietre Dure
Firenze, Palazzo Strozzi (SNS) - Fortezza da Basso (OPD)

May 12-15, 2026

PROGRAMME

May 12, 2026

Firenze, Scuola Normale Superiore - Palazzo Strozzi, Altana

9.00 – Registration

9.30 – Welcome and opening remarks (SNS, OPD)

10.00 – Monica Galeotti (OPD) | Introduction

Session 1. Geophysics for archaeology - Geofisica per l'archeologia

11.00 – Giovanni Leucci (CNR-ISPC) | *Analysing the invisible: non-destructive methods of applied Geophysics for Archaeology and Monumental Heritage*

12.00 – Discussion

12.30 – Lunch

Session 2. Marble and stone - Materiali lapidei

14.30 – Lorenzo Lazzarini (Università IUAV, Venezia) | *An introduction to the archaeometric analyses for the identification of white marbles*

15.30 – Elisabetta Neri (CNR-ISPC) | *The study of roman polychromy (1st-6th c.): unveiling lost colour to discover colour social meaning*

16.30 – Coffee break

17.00 – Patrizia Capizzi (Università di Palermo) | *La tomografia ad ultrasuoni nello studio dei Beni Culturali*

18.00 – Discussion

20.00 – Opening dinner

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Session 3. Pigments and paintings - Pigmenti e materiali pittorici

9.30 – Costanza Miliani (CNR-ISPC) | *Multimodal non-invasive methods for the understanding and conservation of paintings: development and applications*

10.30 – Francesca Di Turo (SNS-NEST) | *Fluorescence lifetime fingerprints for early detection and of colour degradation in Artworks*

11.30 – Discussion

Session 4. Metals and ancient weapons - Metalli e armi antiche

12.00 – Francesco Grazzi (CNR-IFAC) | *Study of technological development of ancient steel weapons using neutron methods. Reverse engineering case studies*

13.00 – Lunch

14.30 – Fabrizio Sudano (Museo Archeologico Nazionale di Reggio Calabria), Silvestro Antonio Ruffolo (Università della Calabria) | *Le terre di fusione dei Bronzi di Riace: nuove indagini archeometriche per una rilettura dei dati*

15.30 – Cristina Chiavari (Università di Bologna) | *Indagini diagnostiche sui bronzi storici: metodi e casi studio*

16.30 – Coffee break

17.00 – Discussion

Session 5. Textiles - Materiali tessili

17.30 – Francesca Coletti (Sapienza Università di Roma, A3TEX) | *Indagini diagnostiche sul patrimonio tessile: contributi del Centro di Ricerca Archaeology and Archaeometry of Ancient Textile*

18.30 – Discussion

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Session 6. Glass and ceramics - Materiali vitrei e ceramici

9.30 – Marco Verità (former SSV, Venezia-Murano) | *Le tessere vitree dei mosaici del Battistero di Firenze. Natura e origine dei materiali*

10.30 – Maria Cristina Caggiani (Università di Catania) | *Archaeometry of ceramic materials: research questions, analytical methods and case studies*

11.30 – Francesca Di Turo (SNS-NEST), Giulio Amara, Alessia Di Santi (SNS) | *Reading ceramics beyond composition: a fluorescence lifetime imaging approach*

12.30 – Discussion

13.00 – Lunch

Session 7. New materials for restoration - Materiali innovativi per il restauro

14.30 – Claudio Finocchiaro, Roberta Occhipinti (Università di Catania) | *Innovative materials for restoration: potential and applications in Cultural Heritage*

15.30 – Rodorico Giorgi (Università di Firenze) | *Materiali avanzati per la conservazione e il restauro del patrimonio archivistico e librario*

16.30 – Coffee break

17.00 – Andrea Guerrini (SNS-NEST) | *Materiali sostenibili da scarti di marmo: progettazione, caratterizzazione e possibili applicazioni nel restauro*

18.00 – Discussion

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Session 8. Hands-on experience

9.00 – Visit to the laboratories of the Opificio delle Pietre Dure

11.00 – Monica Galeotti, Andrea Cagnini, Simone Porcinai (OPD) | *Laboratory activity: application of diagnostics on selected case studies*

12.30 – Lunch

15.00 – Monica Galeotti, Andrea Cagnini, Simone Porcinai (OPD) | *Laboratory activity: application of diagnostics on selected case studies*

18.00 – Concluding remarks

Organising committee

Gianfranco Adornato, Giulio Amara, Francesco Cardarelli, Alessia Di Santi

Regardless the languages indicated in this programme, lectures are held in Italian and/or in English depending on the attendees' needs.

Due to logistical restrictions, the activities scheduled on May 15 are reserved to the participating students.