



ACCADEMIA NAZIONALE DEI LINCEI  
FONDAZIONE «GUIDO DONEGANI» - CHARISMA PROJECT (EU 7<sup>TH</sup> FP)

INTERNATIONAL WORKSHOP

**DIAGNOSTICS IN CULTURAL HERITAGE**

17-18 NOVEMBER 2011

PROGRAMME

**Thursday 17 November**

9.00 Welcome addresses

L. MAFFEI (Accademia dei Lincei, President)  
A.P. RECCHIA (MiBAC-Director PaBAAC)

Opening addresses

A. SGAMELLOTTI (Accademia dei Lincei)  
B.G. BRUNETTI (Consortium CHARISMA), M. Ali (MIUR), A. Orsini (MiBAC)

**DIAGNOSTICS IN ANCIENT ART**

Chairperson: C. Acidini (Polo Museale Fiorentino, Firenze)

9.30 A. ROY (National Gallery of London, London): *Analysing beneath the surface of old master paintings: case studies from the National Gallery, London*

M. LEONA (Metropolitan Museum, New York): *Micro-analytical and non-destructive techniques for the identification of pigments and colorants in works of art*

L. PEZZATI (CNR-INO, Firenze): *Scanning multi-spectral infrared reflectography - A new technique for painting analysis*

C. FROSININI (OPD, Firenze): *Multi-spectral reflectography sheds new light on painting techniques and art history*

11.10 Coffee break

11.40 C. MILIANI (CNR-ISTM, Perugia): *Non-invasive in situ analysis of old master paintings by the mobile laboratory MOLAB*

G. MARINO (Accademia dei Lincei): *Proteomics tools in cultural heritage*

C. SECCARONI (ENEA, Roma): *Scientific investigations on Tibetan scroll paintings*

M. REALINI (CNR-ICVBC, Milano): *Diagnostic approach to polychrome terracotta sculptures*

**DIAGNOSTICS IN MODERN AND CONTEMPORARY ART**

Chairperson: G. Capponi (ISCR, Roma)

14.30 C. DAZORD (Centre de Recherche et de Restauration des Musées de France, Paris): *Diagnostic and conservation from French Museums: case studies*

T. LEARNER (Getty Conservation Institute, Los Angeles): *Analytical techniques for identifying plastics in cultural heritage*

K. JANSSENS (University of Antwerp): *X-rays, pigments and paintings: imaging and alteration studies*

O. CHIANTORE (Università di Torino): *The characterization of materials for assessing ageing and conservation conditions in contemporary art works*

L. TONIOLO (Politecnico di Milano): *Industrial design artefacts: knowledge and conservation*

E. ZENDRI (Università di Venezia): *Diagnostics in contemporary art vs conservation: questions and answers*

17.00 Coffee break

17.20 Tavola Rotonda: *Ricerca, Conservazione e Valorizzazione nei Beni Culturali*

Coordinatore: G. BONSAANTI (Università di Firenze)

G. CHIARI (Getty Conservation Institute, Los Angeles), A. GRANELLI (Consorzio COIRICH, Roma), M. INGUSCIO (Accademia dei Lincei), M. MATTEINI (CNR-ICVBC, Firenze), R. MAZZEO (Università di Bologna), M. PUGLIESE

(Museo del Novecento, Milano), A. RAVA (Centro Conservazione e Restauro La Venaria Reale, Torino), C. RIZZUTO (Sincrotrone Elettra, Trieste), L. SOUZA (Universidade Federal de Minas Gerais, Belo Horizonte), S. VITICOLI (CNR Roma)

## Friday 18 November

### DIAGNOSTICS IN LIBRARY HERITAGE

Chairperson: M. C. MISITI (ICPAL, Roma)

- 9.00 M. GRIMACCIA (Biblioteca Apostolica Vaticana), U. SANTAMARIA (Musei Vaticani): *Contributions of scientific analysis to conservation choices: the example of Vat. gr. 1522*
- A. MIRABILE (Paper Conservator, UNESCO Consultant, Paris): *A method for assessing preservation needs in Al-Beruni Institute of Oriental Studies, Tashkent, Uzbekistan*
- L. BURGIO (Victoria and Albert Museum, London): *Non-destructive analysis of artists' materials on paper and parchment substrates*
- M. BICCHIERI (ICPAL, Roma): *Uninvited guests: oxalates and other impurities in library materials*
- 10.40 Coffee break
- 11.00 P. MANDÒ (Università di Firenze, INFN): *Diagnostics of ancient documents with accelerator-based techniques*
- A. SGAMELLOTTI (Accademia dei Lincei): *Diagnostic and historical studies on the Mexican Codex COSPI*

### DIAGNOSTICS IN ARCHAEOLOGICAL HERITAGE

Chairperson: D. Anglos (FORTH, Crete)

- D. SAUNDERS (British Museum, London): *Material histories: when examination and analysis allow mute objects to tell their story*
- M.P. COLOMBINI (Università di Pisa): *Archaeometry and archaeology: macromolecules recognition to disclose the secrets of the past*
- G.M. INGO (CNR-ISMN, Roma): *Microchemical investigations on corrosion products of the Satiro Danzante*
- 14.10 S. SIANO (CNR-IFAC, Firenze): *Laser and optoelectronic techniques for knowledge and conservation of ancient metal artefacts*
- P. BAGLIONI (Università di Firenze): *Chemistry for the conservation of cultural heritage: preserving our past for a better future*
- S. SIMON (Rathgen-Forschungslabor, Berlin): *Conservation science investigations at the National Museums Berlin: new challenges*
- G. CHIARI (Getty Conservation Institute, Los Angeles): *Applications of a noninvasive portable XRD/XRF instrument (DUETTO) to works of art*

15.50 Conclusion

16.00 Non invasive in situ investigations at Villa Farnesina alla Lungara, Galleria Corsini, Biblioteca Accademia dei Lincei

Diagnostic non-invasive investigations, in the presence of the public and press, will be carried out on the fresco by Raphael *Il trionfo di Galatea* and *Polifemo* by Sebastiano del Piombo at the Galatea Hall of the Villa Farnesina alla Lungara, on paintings from the Galleria Corsini and on illuminated manuscripts from the Academy's library. The following portable spectroscopic techniques will be used as available in the *Mobile Laboratory*, MOLAB, European infrastructure of the project CHARISMA: X-ray fluorescence (XRF), IR in the mid and near ranges, micro-Raman, UV-Vis absorption and emission, nuclear magnetic resonance (NMR-Mouse), IR multispectral imaging, XRD (Laboratorio di Diagnostica, Spoleto).

ROMA

PALAZZO CORSINI - VIA DELLA LUNGARA, 10

Fino alle ore 10 è possibile l'accesso anche da Lungotevere della Farnesina, 10