



2013 ANNO DELLA CULTURA ITALIANA  
YEAR OF ITALIAN CULTURE



**DRAFT**

# Science and Innovation for the Study and Conservation of Works of Art

**October 7-10, 2013**

Washington, Auditorium dell'Ambasciata d'Italia  
U.S. National Academy of Sciences  
New York, The Metropolitan Museum of Art

*Organized by*



ACCADEMIA NAZIONALE DEI LINCEI



*Embassy of Italy  
Washington D.C.*



NATIONAL ACADEMY OF SCIENCES

## Organizing Committee:

Antonio Sgamellotti (Accademia dei Lincei)  
Michael T. Clegg (U.S. National Academy of Sciences)  
Renato Miracco (Ambasciata d'Italia a Washington)  
Giulio Busulini (Ambasciata d'Italia a Washington)  
Marco Leona (The Metropolitan Museum of Art, New York)  
Barbara Berrie (National Gallery of Art, Washington)

*In collaboration with*



The Metropolitan  
Museum of Art



CHARISMA

With the support of



**October 7, 2013**

**Embassy of Italy** , 3000 Whitehaven St NW, Washington DC

<b>8:15 – 9:00</b>	<b>Registration – Welcome Coffee</b>
<b>9:00 – 9:30</b>	<b>Opening</b> Luca Franchetti Pardo, <i>Deputy Chief of Mission, Italian Embassy</i> Lamberto Maffei, <i>President, Accademia dei Lincei</i> Ralph J. Cicerone, <i>President, National Academy of Sciences</i>
9:30 – 9:45	<b>Introduction</b> by Antonio Sgamellotti, <i>Accademia dei Lincei</i>
9:45 – 10:15	Riccardo Pozzo, <i>Director, National Research Council of Italy (CNR)-Department of Social Sciences and Humanities, Cultural Heritage: Social innovation, Cultural innovation</i>
10:15 – 10:45	Cecilia Frosinini, <i>Opificio delle Pietre Dure, Florence: Underdrawings in paintings</i>
<b>10:45 – 10:55</b>	<b>Break</b>
10:55 – 11:00	Donation Ceremony: <i>a sophisticated laser used in the restoration will be donated from Quanta System SpA to the Metropolitan The Metropolitan Museum of Art</i>
11:00 – 11:30	Maria Perla Colombini, <i>University of Pisa and CNR-Institute for the Conservation and Valorization of Cultural Heritage: Advanced analytical methods for organic compounds</i>
11:30 – 12:00	Lucia Toniolo, <i>Politecnico di Milano: Italian design icons: the challenge of conservation</i>
12:00 – 12:30	Giacomo Chiari, <i>Getty, Los Angeles: Visible Induced Luminescence for the detection of Egyptian blue</i>
<b>12:30 – 2:00</b>	<b>Lunch Break</b>
2:00 – 2:30	Luca Pezzati, <i>CNR-National Institute of Optics: Optics and art in the European infrastructure for cultural heritage</i>
2:30 – 3:00	Rocco Mazzeo, <i>University of Bologna: Simultaneous identification and mapping of pigments and binding media in paint cross sections</i>
<b>3:00 – 3:30</b>	<b>Break</b>
3:30 – 4:00	Luigi Ambrosio, <i>Director, CNR-Department Chemical Science and Materials Technology and Sesto Viticoli, Vice-President, Italian Association for Industrial Research: Materials and technology transfer</i>
4:00 – 4:30	Tommaso Frizzi, <i>XGLab SRL: Advances in XRF instrumentation and application to cultural heritage</i>
4:30 – 5:00	Alessandro Zanini, <i>El.En. SpA</i> and Paolo Salvadeo, <i>Quanta System SpA: Laser cleaning for cultural heritage conservation. Fusing art, medicine and science</i>
5:00 – 5:30	Antonio Addari, <i>Arteria SRL: Technology for art logistics: real-time monitoring for art in transit, protection and conservation for art in storage</i>
<b>5:30</b>	<b>Conclusions – Remarks</b>

**October 8, 2013**

**National Academy of Science**, 2101 Constitution Avenue NW, Washington DC

<b>8:30 – 9:00</b>	<b>Registration – Welcome Coffee</b>
<b>9:00 – 9:15</b>	<b>Opening</b> Prof. Diane Griffin, <i>Vice President, National Academy of Sciences</i> Lamberto Maffei, <i>President, Accademia dei Lincei</i>
9:30 – 9:45	<b>Introduction</b> by Barbara Berrie, <i>Acting Head of the Scientific Research Department, National Gallery of Art</i>
9:45 – 10:15	Piero Baglioni, <i>University of Florence</i> : Nanosciences for cultural heritage conservation
10:15 – 10:45	Brunetto G. Brunetti, <i>University of Perugia</i> : the CHARISMA European network and perspectives in HORIZON 2020
<b>10:45 – 11:00</b>	<b>Break</b>
11:00 – 12:30	Roundtable: Italy – USA collaboration and exchanges for scientific research in the field of cultural heritage. Giulio Busulini, <i>Italian Embassy</i> , Moderator, and panelists Luigi Ambrosio, <i>CNR-Department Chemical Science and Materials Technology</i> , Ian S. Anderson, <i>Oak Ridge National Laboratory*</i> , Barbara Berrie, <i>National Gallery of Art, Washington</i> , Costanza Miliani, <i>CNR-Institute of Molecular Science and Technologies, Perugia</i> , Lamberto Maffei, <i>Accademia dei Lincei</i> , and Zeev Rosenzweig, <i>National Science Foundation</i>
<b>12:30 – 2:00</b>	<b>Lunch Break</b>
2:00 – 2:30	Marco Ciatti, <i>Opificio delle Pietre Dure, Florence</i> : Conservation projects at the Florentine Opificio delle Pietre Dure
2:30 – 3:00	Cavezzali Donatella, <i>Istituto Superiore per la Conservazione ed il Restauro, Rome</i> : Conservation projects at the Istituto Superiore per la Conservazione ed il Restauro
<b>3:00 – 3:30</b>	<b>Break</b>
3:30 – 4:00	Francesca Casadio, <i>Art Institute of Chicago</i> : Advanced analytical techniques for collections research
4:00 – 4:30	Antonio Mirabile, <i>UNESCO Consultant</i> : Identifying unconventional materials in contemporary drawings
4:30 – 5:00	Mattia Patti, <i>University of Pisa</i> : Modern painted palimpsests. Decyphering the artworks of Osvaldo Licini
5:00 – 5:30	Jeannette Redensek, <i>J. and A. Albers Foundation</i> and Gianluca Poldi, <i>University of Bergamo</i> : The Albers' catalogue raisonné and scientific investigations
<b>5:30</b>	<b>Conclusions – Remarks</b>

**October 10, 2013**

**The Metropolitan Museum of Art,**

**Bonnie J. Sacerdote Lecture Hall, Ruth and Harold D. Uris Center for Education**

1000 Fifth Avenue New York

**9:00 – 9:30**

**Opening**

Thomas P. Campbell, *Director, The Metropolitan Museum of Art*

Natalia Quintavalle, *General Consul of Italy in New York*

Lamberto Maffei, *President, Accademia dei Lincei*

9:30 – 9:45

**Introduction** by Marco Leona, *The Metropolitan Museum of Art, New York*

9:45 – 10:15

Costanza Miliani, *CNR-Institute of Molecular Science and Technologies, Perugia*: Non-invasive spectroscopic techniques for paintings conservation

10:15 – 10:45

Marcello Picollo, *CNR-Institute of Applied Physics "Nello Carrara", Florence*: Latest improvements in UV-Vis-NIR reflectance spectroscopy

**10:45 – 11:00**

**Break**

11:00 – 11:30

Francesco de Angelis and Marco Maiuro, *Columbia University*: Archaeological Projects of the Advanced Program of Ancient History and Art (APAHA)

11:30 – 12:00

Clemente Marconi, *New York University*: The Institute of Fine Arts – NYU excavations on the Akropolis of Selinunte

12:00 – 12:30

Federico Carò, *The Metropolitan Museum of Art*: Provenance studies of Khmer sculptures

**12:30 – 2:00**

**Lunch Break**

2:00 – 2:30

John Delaney, *National Gallery of Art, Washington*: Use of Reflectance Imaging Spectroscopy to map artists' pigments and paint binders in early Italian Renaissance paintings and illuminated manuscripts

2:30 – 3:00

Salvatore Siano, *CNR-Institute of Applied Physics "Nello Carrara", Florence*: Lasers in the conservation of cultural heritage

**3:00 – 3:30**

**Break**

3:30 – 4:00

George Bisacca, *The Metropolitan Museum of Art*: The structural conservation treatment of an Annunciation by Pietro Candido

4:00 – 4:30

Paolo Dionisi Vici, *The Metropolitan Museum of Art*: Monitoring and modeling the response of works of art to climate fluctuations

**4:30 – 4:45**

**Conclusions**