

Science & Innovation for Study & Conservation (Washington/NYC, 7-10 Oct 13)

Washington D.C. and New York City, Oct 7-10, 2013

Alana Quinn, National Academy of Sciences

Free public three-day symposium on

"Science and Innovation for the Study and Conservation of Works of Art."

The symposium takes place at a different venue each day.

Monday, Oct. 7 at the Italian Embassy, Washington, D.C.;

Tuesday, Oct. 8 at the National Academy of Sciences, Washington, D.C.;

Thursday, Oct. 10 at the Metropolitan Museum of Art, New York City.

Chemistry, materials science, and nanotechnology are intertwined with the modern practice of art history, archeology, and art conservation. Over three days in Washington, D.C. and New York City, this symposium will explore the latest advances in scientific research devoted to the field of cultural heritage, focusing on the contribution of Italian researchers and on Italy-U.S. collaborations.

Italian investigators and their American collaborators will present the latest scientific techniques for cultural heritage research and discuss Italy-U.S. collaborations and scientific exchanges in this field. The scope of work is wide-ranging: from non-destructive investigations in situ to nanotechnology for wall-paintings consolidation; from laser ablation for sculpture cleaning to mass spectrometry for the identification of organic residues in archeological material; from imaging spectroscopy for the characterization of illuminated manuscripts to new sensors for studying museums' climate.

October 7, 2013

Embassy of Italy , 3000 Whitehaven St NW, Washington DC

8:15 – 9:00 Registration – Welcome Coffee

9:00 – 9:30 Opening

Luca Franchetti Pardo, Deputy Chief of Mission, Italian Embassy

Lamberto Maffei, President, Accademia dei Lincei

Ralph J. Cicerone, President, National Academy of Sciences

9:30 – 9:45 Introduction by Antonio Sgamellotti, Accademia dei Lincei

9:45 – 10:15 Riccardo Pozzo, Director, National Research Council of Italy (CNR)-Department of Social Sciences and Humanities, Cultural Heritage: Social innovation, Cultural innovation

10:15 – 10:45 Cecilia Frosinini, Opificio delle Pietre Dure, Florence: Underdrawings in paintings

10:45 – 10:55 Break

10:55 – 11:00 Donation Ceremony: a sophisticated laser used in the restoration will be donated from Quanta System SpA to The Metropolitan Museum of Art (Paolo Salvadeo CEO - Managing Director of Quanta System SpA / El.En. Group - Marco Leona, Department of Scientific Research, The Metropolitan Museum of Art)

11:00 – 11:30 Maria Perla Colombini, University of Pisa and CNR-Institute for the Conservation and Valorization of Cultural Heritage: Advanced analytical methods for organic compounds

11:30 – 12:00 Lucia Toniolo, Politecnico di Milano: Italian design icons: the challenge of conservation

12:00 – 12:30 Giacomo Chiari, Getty, Los Angeles: Visible Induced Luminescence for the detection of Egyptian blue

12:30 – 12:40 Q&A morning sessions

12:40 – 2:00 Lunch Break

2:00 – 2:30 Luca Pezzati, CNR-National Institute of Optics: Optics and art in the European infrastructure for cultural heritage

2:30 – 3:00 Rocco Mazzeo, University of Bologna: Simultaneous identification and mapping of pigments and binding media in paint cross sections

3:00 – 3:30 Break

3:30 – 4:00 Luigi Ambrosio, Director, CNR-Department Chemical Science and Materials Technology and Sesto Viticoli, Vice-President, Italian Association for Industrial Research: Materials and technology transfer

4:00 – 4:30 Tommaso Frizzi, XGLab SRL: Advances in XRF instrumentation and application to cultural heritage

4:30 – 5:00 Alessandro Zanini, El.En. SpA and Paolo Salvadeo, Quanta System SpA: Laser cleaning for cultural heritage conservation. Fusing art, medicine and science

5:00 – 5:30 Antonio Addari, Arteria SRL: Technology for art logistics: real-time monitoring for art in transit, protection and conservation for art in storage

5:30 – 5:40 Q&A afternoon sessions

5:40 Conclusions – Remarks

October 8, 2013

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

8:30 – 9:00 Registration – Welcome Coffee

9:00 – 9:15 Opening

Diane Griffin, Vice President, National Academy of Sciences

Lamberto Maffei, President, Accademia dei Lincei

9:30 – 9:45 Introduction by Barbara Berrie, Acting Head of the Scientific Research Department, National Gallery of Art

9:45 – 10:15 Piero Baglioni, University of Florence: Nanosciences for cultural heritage conservation

10:15 – 10:45 Brunetto G. Brunetti, University of Perugia: the CHARISMA European network and perspectives in HORIZON 2020

10:45 – 10:55 Q&A

10:55 – 11:10 Break

11:10 – 12:30 Roundtable: Italy – USA collaboration and exchanges for scientific research in the field of cultural heritage. Giulio Busulini, Italian Embassy, Moderator, and panelists: Luigi Ambrosio, CNR-Department Chemical Science and Materials Technology, Ian S. Anderson, Oak Ridge National Laboratory (In video conference), Barbara Berrie, National Gallery of Art, Washington, Costanza Miliani, CNR-Institute of Molecular Science and Technologies, Perugia, Lamberto Maffei, Accademia dei Lincei, and Zeev Rosenzweig, National Science Foundation; Marco Leona, Department of Scientific Research, The Metropolitan Museum of Art

12:30 – 2:00 Lunch Break

2:00 – 2:30 Marco Ciatti, Opificio delle Pietre Dure, Florence: Conservation projects at the Florentine Opificio delle Pietre Dure

2:30 – 3:00 Cavezzali Donatella, Istituto Superiore per la Conservazione ed il Restauro, Rome: The conservation works of the Hall of MASKS in the DOMUS AUREA (I° AC)

3:00 – 3:10 Q&A

3:10 – 3:30 Break

3:30 – 4:00 Francesca Casadio, Art Institute of Chicago: Advanced analytical techniques for collections research

4:00 – 4:30 Antonio Mirabile, UNESCO Consultant: Identifying unconventional materials in contemporary drawings

4:30 – 5:00 Mattia Patti, University of Pisa: Modern painted palimpsests. Decyphering the artworks of Osvaldo Licini

5:00 – 5:30 Jeannette Redensek, J. and A. Albers Foundation and Gianluca Poldi, University of Bergamo: The Albers' catalogue raisonné and scientific investigations

5.30 – 5.40 Q&A

5:40 Conclusions – Remarks

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 – 10.50 Q&A

10:50 – 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 – 12.40 Q&A

12:40 – 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. 30 – 3.40 Q&A

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 – 4.40 Q&A

4:40 – 4:55 Conclusions

Program Details: <http://ow.ly/pv04B>

Register: <http://ow.ly/pv02H>

Event Website: <http://ow.ly/pv05T>

Reference:

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