

Program

Note: only presenting authors of papers are listed in this schedule.

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DAY 1 – Wednesday, 5 November 2014

Barbara and Theodore Alfond Auditorium

- 9:00a-9:15a *Poster setup in Mable Louise Riley Seminar Room*
Optional run-through with audio/video equipment for Session 1 presenters
- 9:15a-10:00a Registration
- 10:00a-10:15a Welcome from Museum of Fine Arts, Boston
Matthew Siegal, Chair, Conservation and Collections Management
Richard Newman, Head of Scientific Research
- 10:15a-10:45a Welcome from IRUG
Beth Price, IRUG Board of Directors and Regional Chair for North & South America;
Philadelphia Museum of Art, Philadelphia, Pennsylvania
- “IRUG Web Enabled Raman Spectral Database”
Gabriel Richards, Founder & CEO, Endertech Corporation, Torrance, California

----- Session 1 -----

- 10:45a-11:10a "Dürer's metalpoint drawings: examining materials and techniques using Raman spectroscopy and technical imaging"
Joanna Russell, The British Museum, London, England
- 11:10a-11:35a "Shadows from the Chat Noir theater: exploring the artist's materials and techniques"
Maroussia Durantou, Institut National du Patrimoine, Saint-Denis-La Plaine, France
- 11:35a-12:00p "The colors of Keith Haring: a spectroscopic study on the materials of his mural painting *Tuttomondo*"
Marcello Picollo, “Nello Carrara” Institute of Applied Physics, National Research Council (IFAC-CNR), Sesto Fiorentino, Italy

12:00p-1:45p **Lunch break;** (posters are viewable in Mable Louise Riley Seminar Room)

12:10p-12:40p *Tour of Objects Conservation and Scientific Research Labs*
(RSVP required; meet in Alfond Auditorium Lobby at 12:05p)

----- **Session 2** -----

- 1:30p-1:45p *Optional run-through with audio/video equipment for Session 2 presenters*
- 1:50p-2:15p "Derivatisation strategies for micro-FTIR and chemical imaging FTIR-FPA - fluorination reagents to discriminate spectral interferences in paint samples"
Stefan Zumbühl, Bern University of Applied Sciences, Bern, Switzerland
- 2:15p-2:40p "Microextraction for the spectroscopic identification of binding media in early 20th century matte paint"
Lauren Klein, The Museum of Modern Art, New York, New York
- 2:40p-3:05p "Natural resins and balsams from an 18th century pharmaceutical collection characterized by Fourier-Transform Infrared Microspectroscopy"
Christoph Herm, Dresden Academy of Fine Arts, Dresden, Germany

3:05p-3:45p **Coffee break and Poster viewing**
Mable Louise Riley Seminar Room

----- **Session 3** -----

- 3:30p-3:45p *Optional run-through with audio/video equipment for Session 3 presenters*
- 3:50p-4:15p "Characterization of daylight fluorescent pigments in contemporary artists' paints by Raman spectroscopy"
Wim Fremout, Royal Institute for Cultural Heritage, Brussels, Belgium
- 4:15p-4:40p "'Green' plastics in modern and contemporary art, what's the deal? The identification of 'green' plastics using Fourier Transform Infrared spectroscopy"
Suzan de Groot, Cultural Heritage Agency of the Netherlands, Amsterdam, The Netherlands
- 4:40p-5:05p "Binders used in metallic paints investigated by micro-FTIR and synchrotron-sourced FTIR"
Paula Dredge, Art Gallery of New South Wales, Sydney, Australia
- 5:05p-5:20p Announcements

5:30p-7:00p **Reception**
William I. Koch Gallery

DAY 2 – Thursday, 6 November 2014

Barbara and Theodore Alfond Auditorium

9:20a-9:50a *Tour of Furniture and Frame Conservation Labs*
(RSVP required; meet in Huntington Avenue Entrance Lobby at 9:15a)

----- **Session 4** -----

9:30a-9:45a *Optional run-through with audio/video equipment for Session 4 presenters*

10:00a-10:10a Announcements

10:10a-10:35a "Disappearing ink! Unraveling the fading of a modern design object"
Gregory Dale Smith, Indianapolis Museum of Art, Indianapolis, Indiana

10:35a-11:00a "Characterization of unprocessed historic platinum photographic papers by Raman, FTIR, and XRF"
Silvia A. Centeno, The Metropolitan Museum of Art, New York, New York

11:00a-11:25a "Fifty shades of green in Islamic manuscripts"
Katherine Eremin, Harvard Art Museums, Cambridge, Massachusetts

11:25a-11:50a "Forensic applications of FTIR and Raman Microspectroscopy in studies of age, attribution, and authenticity"
James Martin, Orion Analytical, LLC, Williamstown, Massachusetts

11:50a-1:25p **Lunch break;** (posters are viewable in Mable Louise Riley Seminar Room)

12:00p-12:30p *Tour of Virginia Herrick Deknatel Paper Conservation and Gabriella and Leo Beranek Textile Conservation Labs*
(RSVP required; meet in Alfond Auditorium Lobby at 11:55a)

----- **Session 5** -----

1:10p-1:25p *Optional run-through with audio/video equipment for Session 5 presenters*

1:30p-1:55p "Investigation of zinc carboxylate reaction products in several 20th-century Canadian paintings using FTIR spectroscopy"
Kate Helwig, Canadian Conservation Institute, Ottawa, Canada

1:55p-2:20p "Micro-Raman and ATR-FTIR for the study of modern paints containing synthetic organic pigments (SOPs): characterization of the photodegradation processes"
Marta Anghelone, Institute of Science and Technology in Art, Academy of Fine Arts Vienna, Austria

DAY 2 – Thursday, 6 November 2014, continued

- 2:20p-2:45p "The terracotta sculptures of Palazzo Venezia in Rome. Investigation on the constituent materials for the knowledge and the conservation project."
Claudia Pelosi, Department of Cultural Heritage Sciences, University of Tuscia, Italy
- 2:45p-3:10p "Identification of inorganic pigments by use of non-invasive reflection-FTIR with particular attention to the region from 900-375 cm⁻¹"
Wilfried Vetter, Academy of Fine Arts Vienna, Austria

3:10p-3:50p **Coffee break and Poster viewing**
Mable Louise Riley Seminar Room

----- **Session 6** -----

- 3:35p-3:50p *Optional run-through with audio/video equipment for Session 6 presenters*
- 3:55p-4:20p "Comparing spectral features of paint binders in the Near- and Mid-Infrared and the effect of pigment interference"
Kathryn Dooley, National Gallery of Art, Washington, District of Columbia
- 4:20p-4:45p "Development and application of a high spectral/spatial NIR hyperspectral imaging camera for the identification and mapping of organic artists' materials such as paint binders and fillers"
John K. Delaney, National Gallery of Art, Washington, District of Columbia
- 4:45p-5:10p "Infrared imaging of art objects: Is it as easy as it sounds?"
Thomas J. Tague, Jr., Bruker Corporation, Billerica, Massachusetts
- 5:10p-5:25p Announcements
- 5:25p-6:00p *Poster pickup in Mable Louise Riley Seminar Room*

5:30p-7:00p **IRUG Board of Directors meeting**
East Seminar Room

DAY 3 – Friday, 7 November 2014

Barbara and Theodore Alfond Auditorium

9:20a-9:50a *Tour of Asian Conservation Studios*
(RSVP required; meet in Huntington Avenue Entrance Lobby at 9:15a)

----- **Session 7** -----

9:15a-9:55a *Optional run-through with audio/video equipment for Session 7 presenters*

10:00a-10:10a Announcements

10:10a-11:10a Poster presentations

“An investigation of the Tibetan book covers from the collections of the Bayerische Staatsbibliothek Munich by FTIR and Raman spectroscopy”

Thorsten Allscher, Institute of Book and Manuscript Conservation, Bayerische Staatsbibliothek, Munich, Germany

“Artificial aging of neutral verdigris: new evidence by Raman Spectroscopy and X-ray Diffraction”

Lynn B. Brostoff, Library of Congress, Washington, District of Columbia

“A Painted Etruscan Sarcophagus – Original or Forgery?”

Christine Fuchs, University of Applied Sciences Potsdam, Germany

“The Cut-Outs of Henri Matisse: a study of his gouache palette”

Ana Martins, The Museum of Modern Art, New York, New York

“Identification of pigments used in traditional bark paintings in the Northern Territory of Australia”

Georgina Rayner, Harvard Art Museums, Cambridge, Massachusetts

“Seeing the unseen: applicability of hyperspectral VNIR and SWIR imaging to cultural heritage artifacts”

Janette H. Wilson, Headwall Photonics, Inc., Fitchburg, Massachusetts

“Does size matter? Comparing the Alpha-P and the Hyperion for FTIR paint analysis”

Brooke W. Young, Columbia University, New York, New York

- 11:10a-11:35a “IRUG Raman Spectral Database Update and Tutorial”
 Haddon Dine, IRUG Review Committee Member; Philadelphia Museum of Art,
 Philadelphia, Pennsylvania
 Suzanne Quillen Lomax, IRUG Board of Directors and Raman Committee Chair;
 National Gallery of Art, Washington, District of Columbia
- 11:35a-12:00p Closing remarks
 Marcello Picollo, IRUG Board of Directors and Regional Chair for Africa, Australia &
 Oceania; “Nello Carrara” Institute of Applied Physics, National Research Council
 (IFAC-CNR), Sesto Fiorentino, Italy