



Cultural Heritage Agency
Ministry of Education, Culture and Science

“New strategies for diagnostics of conservation treatments”

7, 8 February 2019, Amsterdam, the Netherlands

Dear colleague,

The Cultural Heritage Agency of the Netherlands organises an international two-day conference on new diagnostic strategies for assessing the cleaning in conservation treatments. This conference will be held on the 7th and 8th of February, 2019, in the Lutherse kerk, Spui 411, in the centre of Amsterdam.

The conference is the result of IPERION CH activities in the work-package 7, investigating diagnostics of cleaning of paintings, the coating of metal and the consolidation of stone. Several case studies, techniques and general strategies will be presented.

The conference is held under the auspices of, and sponsored by, IPERION CH and is open to everybody working or studying in the field of conservation, restoration, science and conservation science. The conference is free of charge, but you will need to register using the link below that will guide you to the website of The Cultural Heritage Agency. In case you are unable to attend after registration, please let us know, preferably one week in advance, so we can pass on your ticket to people on the waiting list.

For more information, contact Melissa Daugherty, m.daugherty@cultureelerfgoed.nl. We hope to welcome you in February 2019 in Amsterdam!

Sincerely,

Melissa Daugherty, Ineke Joosten, Klaas Jan van den Berg, Maarten van Bommel

Registration: <https://cultureelerfgoed.nl/node/1102581>

February 7, 2019
Aula, University of Amsterdam
Singel 411, Amsterdam

- 09:00 Registration and coffee
- 10:00 Maarten van Bommel, *Welcome and general introduction*
- 10:20 Klaas-Jan van den Berg, *Research approach to monitor the removal of varnishes and over-paints.*
Monica Galeotti, *Research approach to monitor the application of coatings on metal objects.*
Jadwiga Lukaszewicz, *Research approach to monitor the consolidation methods of stone.*
- 11:20 Discussion
- 11:45 Poster pitches (see list of posters)
- 12:30 Lunch (provided by IPERION) and poster presentation

14:00 Parallel sessions: cleaning of paintings, coatings of metals and consolidation of stone.

14.00 Parallel session: Cleaning of paintings

- 14:00 Laura Cartechini, *Detection of cleaning system residues on painted surface by reflection FTIR.*
- 14:30 Raffaella Fontana, *Monitoring of the painting surface morphological and stratigraphic changes by microprofilometry and OCT measurements.*
- 15:00 Christian Rehorn & Silvia Prati, *Evaluation of microscopic and macroscopic changes of paintings caused by cleaning treatments by means of the integrated use of solid phase micro extractions and Nuclear Magnetic Relaxometry.*
- 15:30 Magdalena Iwanicka, *Step-by-step monitoring of gradual varnish removal from easel paintings by combined use of Optical Coherence Tomography (OCT) and Reflection FTIR spectroscopy.*
- 16:00 Evdoxia Dimitroulaki, Olga Kokkinaki, Kristalia Melessanaki, Paraskevi Pouli, *Monitoring Laser-Assisted removal of aged varnish layers from paintings with Laser-Induced Fluorescence Spectroscopy (LIBS).*
- 16:30 Melissa Daugherty & Klaas-Jan van den Berg, *Synthesis and integration of the results.*

14.00 Parallel session: Coatings of metals

- 14:00 Emilio Cano, *Assessment of protective properties of metal coatings by Electrochemical Impedance Spectroscopy (EIS).*
- 14:30 Giorgios Karagiannis, *Ultrasound (Acoustic) μ Tomography applied to metallic objects coatings evaluation.*
- 15:00 Barbara Salvadori, *Non-invasive reflection FTIR on metals for assessing and monitoring coatings.*
- 15.30 Ineke Joosten, *Assessment of protective properties of coatings on iron.*
- 16:00 Raffaella Fontana, *Application of OCT to monitor the coatings of metals.*
- 16:30 Monica Galeotti, *Protective coatings on metal artworks: a multi-technique approach to the characterization of key parameters for performance assessment.*

14.00 Parallel session: Consolidation of stone

14:00 Jadwiga Lukaszewicz, *IR thermal analysis to monitor stone consolidation.*

14:30 Dória Costa, Susanna Bracci, Donata Magrini, *Comparative results of micro-drilling technique used to evaluate consolidation action on limestone and sandstone.*

15:00 Veronique Verges-Belmin, *Perspectives of THz method for the determination of the depth of penetration of consolidating products.*

15:30 Jadwiga Lukaszewicz, *Synthesis and integration of the results.*

16:00 Christian Rehorn & Markus Kueppers, *NMR-Relaxometry and depth profiling for the analysis of historic mortars and hydrophobic coating in masonry.*

17:00 Drinks

February 8, 2019
University of Amsterdam
Oudemanhuispoort 4-6
room D1.09

08:30 Coffee

09:00 **Coating of metal plenary session**

Monica Galeotti, *summary of the parallel session.*

Stefania Agnoletti, Case study: *Facing a huge conservation project: the three bronze doors of the Baptistery of Florence.*

Tonny Beentjes, *future perspectives in metal conservation.*

10:00 **Consolidation of stone session**

Jadwiga Lukaszewicz, *summary of the parallel session.*

Andreas Furche, Case study: *Surface analyses and cleaning of blackened Italian marble sculptures burnt during the Second World War from the collection of the Bode-Museum in Berlin.*

Speaker and title to be announced

11:00 **Cleaning of paintings session**

Klaas-Jan van den Berg, *summary of the parallel session.*

Bronwyn Ormsby, Case study, *The conservation of modern and contemporary art: collaborative cleaning research – methodologies, materials and progress.*

Aviva Burnstock, *future perspectives*

12:00 Concluding remarks and closure

Posters (presented on February 7)

Laura Cartechini, *Reflection FTIR spectroscopy as versatile tool for non-invasive monitoring of cleaning treatments of painting surfaces.*

Dória Costa, Susanna Bracci, Donata Magrini, *The micro-drilling technique used to evaluate consolidation action- some examples in detail.*

Melisa Daugherty, *The application of HIROX microscopy and RTI for the characterization of the paint surface.*

Róbert Huszánk, Attila Csík, Anikó Angyal, Ákos Csepregi, *Micro-profilometric and RBS analysis of coatings for metals.*

Emilio Cano, Blanca Ramírez Barat, *Non-destructive assessment of protective coatings for heritage metals by means of Electrochemical Impedance Spectroscopy (EIS).*

Raffaella Fontana & Giancarlo Lanterna, *Optical techniques and SEM-EDS for shape measurements and stratigraphy to monitor the cleaning of paintings.*

Magdalena Iwanicka, Marcin Sylwestrzak & Piotr Targowski, *Optical Coherence Tomography.*

Róbert Huszánk, Attila Csík, Anikó Angyal, Ákos Csepregi, *Micro-profilometric and RBS analysis of coatings for metals.*

Barbara Salvadori, Andrea Cagnini & Simone Porcinai, *Reflectance FTIR on metal surfaces.*

Aurélia Azéma & Annick Texier, *Drop tests : contributions and limits for diagnostics of conservation treatment on metal.*