

# ICOM-CC JOINT INTERIM MEETING

## Physical Issues in the Conservation of Paintings

### Paris, 29-30 September 2016

## Conference Program

Thursday 29th

### Tools and Documentation

- 08:45 – 09:15 **Registration**
- 09:15 – 09:30 **Welcome and Introduction**
- 09:30 – 09:55 **Nevin & Tornari:** Advances and applications of portable prototype Digital Holographic Speckle Pattern Interferometry (DHSPI) system in preventive conservation
- 09:55 – 10:20 **Charalambides et al.:** Modeling the effect of low amplitude cyclic stresses of multilayer paint films on canvas
- 10:20 – 10:45 **Kracht & Sautter:** Mechanical performance of textile support under shock load
- 10:45 – 11:10 **Mousheimish:** PACT-ART: Adaptive and Context-Aware Processes for the Transportation of Artworks
- 11:10 – 11:40 **Coffee break**
- 11:40 – 12:05 **Lukomski:** Micro- and nano-engineering techniques deployed to understand the effects of aging on the mechanical properties of paints
- 12:05 – 12:30 **Kupczak et al.:** HERle: A web-based software for assessing risk of physical damage of heritage objects vulnerable to climate fluctuations
- 12:30 – 12:55 **Bäschlin et al.:** Monitoring vibration impact during painting transportation: Controlling and reducing resonance behavior within the Museum context
- 12:55 – 13:05 **Booth:** An introduction to Tru Vue and the impact glazing choice can have on the conservation of paintings
- 13:05 – 14:30 **Lunch**
- 14:30 – 14:55 **Johnson & Hannen:** U.S. practice in vibration control during museum construction projects

### Painting Support

- 14:55 – 15:20 **Odlyha et al.:** Humidity-controlled dynamic mechanical analysis of historical 19th and some modern canvases
- 15:20 – 15:45 **Coffee break**
- 15:45 – 16:10 **Ekelund et al.:** Climate4Wood project: methodology for the assessment of relevant criteria to predict the behavior of decorated oak wooden panels
- 16:10 – 16:35 **Dionisi-Vici & Romano:** An original approach to active climate control based on Equilibrium Moisture Content (EMC) in a middle-age building in southern Italy
- 16:35 – 17:00 **Lopez et al.:** Formulation of radio-opaque fill for the plaster losses compensation of a gilded frame from Jean-Baptiste Corot's painting: evaluation of mechanical and physico-chemical properties

### Special Session

- 17:00-18:00 **Doherty (DB):** Environmental guidelines

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### Paint Layers

- 09:30 – 09:55 **Hagan:** A broader look at the mechanical properties of artist paints with different binding media: effects of temperature, strain rate and moisture content
- 09:55 – 10:20 **Aurand et al.:** Understanding the moisture induce fatigue damage in panel paintings: a methodological approach for quantifying the role of preparatory layers in the overall response
- 10:20 – 10:45 **Fuster-Lopez & Izzo:** A look at pigment's role in the mechanical and dimensional behavior of paint films: the case of siccative pigments
- 10:45 – 11:10 **Roche:** Limite d'endurance d'un film de peinture
- 11:10 – 11:40 **Coffee break**

### Conservation

- 11:40 – 12:05 **Idelson:** Aiming at the reduction of mechanical stress in canvas paintings long term conservation
- 12:05 – 12:30 **Viala:** Le rentoilage : évolution des pratiques et nouvelles perspectives
- 12:30 – 12:55 **Graminius et al.:** Lining canvas paintings for historic houses
- 12:55 – 14:30 **Lunch**
- 14:30 – 14:55 **Young et al.:** The Applicability of Gecko inspired dry adhesives to the conservation of easel paintings
- 14:55 – 15:20 **Bridarolli et al.:** Evaluation of the mechanical performance conferred to canvases by a novel nanocellulose-based consolidation treatment
- 15:20 – 15:45 **Bailey et al.:** Stick It!!! A preliminary investigation into Aquazol™ as an alternative lining adhesive for paintings
- 15:45 – 16:15 **Coffee break**
- 16:15 – 16:40 **Hess:** La conservation des coutures originales des toiles peintes. Le cas des volets de l'orgue de la cathédrale Saint Jean-Baptiste de Perpignan
- 16:40 – 17:05 **Krarup-Andersen:** Consequences of increased tension in aged canvas paintings
- 17:05 – 17:30 **Legroux:** Comportement mécanique des peintures, le cas particulier des peintures japonaises montées en rouleau vertical
- 17:30 – 18:00 **Discussion and concluding remarks**