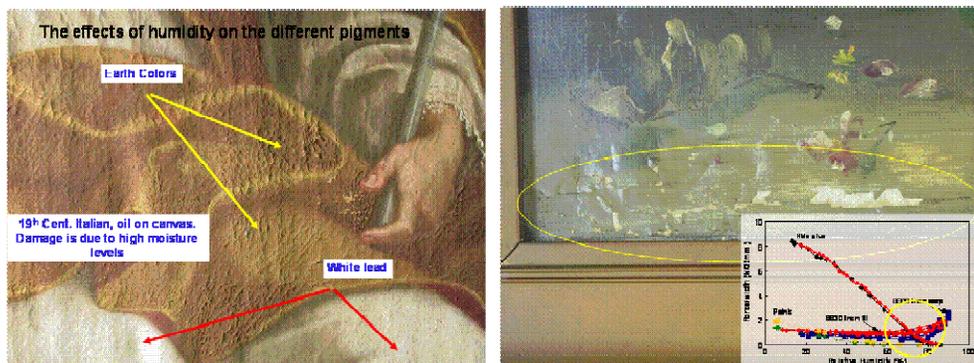


The Structure of Paintings and the Mechanical Properties of Cultural Materials Course



A new four-day course offered by the Smithsonian's Museum Conservation Institute on the structure of paintings and the mechanical properties of cultural materials will be an intense, information-packed seminar for cultural institution professionals and representatives of paint manufacturers.

Topics covered will include:

- The basic concepts of relative humidity; material properties versus structural properties; and the force and mechanical properties of materials
- The drying and film formation of artists paints
- The properties of painting materials and the effects of relative humidity including the dimensional response of materials to relative humidity and temperature
- The mechanical properties of materials (wood, linen, hide glues, gessoes and paints)
- Paintings as structures and failure mechanism
 - The canvas supported painting - relative humidity; temperature; bio-deterioration
 - The wood panel supported painting - relative humidity
- Conservation treatments
- Using modern materials
- The museum environment and determining appropriate RH and temperature settings.

Course organized by Dr. Marion F. Mecklenburg, Senior Research Scientist

Enrollment limited to 20 participants, no tuition

Enrollment requirements: It is recommended that the applicant have some conservation or conservation science experience.

Applications due by July 1st, 2008; Finalists for the course will be contacted by July 7, 2008.

Please send contact information to Ann N'Gadi, Technical Information Specialist, ngadia@si.edu

MCI

Topics in Museum Conservation

August 4-7, 2008
8:00 am - 4:00 pm
Monday-Thursday

MCI Theater

MUSEUM SUPPORT CENTER

4210 Silver Hill Road

Suitland, MD 20746

301-238-1240



Smithsonian
Museum Conservation Institute