

THE AQUEOUS ENVIRONMENT AND SOLVENTS FOR TREATMENTS ON WORKS OF ART ON PAPER. APPLICATION TO DOCUMENTS, ANCIENT ART AND CONTEMPORARY ART.

**25TH, 26TH, 27TH
AND 28TH OF
SEPTEMBER, 2018**

Theoretical Component:

25th of September

9:00 – 13:00 e 14:00-18:00

[Foz Campus, Room EA226]

Practical sessions:

26th, 27th and 28th of September

9:00 – 13:00 e 14:00-18:00

[Foz Campus, Restoration building ER 007]

PAOLO CREMONESI
Conservation Chemist

LETIZIA SATTO
Conservator

PROGRAMA

THEORETICAL COMPONENT

September 25 | 9:00 - 13:00 e 14:00 - 18:00

PAOLO CREMONESI

Properties and mode of action of water.
The aqueous environment: pH, acids and bases, buffers. Ionization, dissociation and hydrolysis.
Salts and solubility. Ion concentration, conductivity and related processes: ion diffusion and osmosis.
Hypo-, iso- and hyper-tonicity of aqueous solutions.
Auxiliary 'active principles': surfactants and chelators, classification and mode of action.
Gelling materials: polysaccharide-based and polyacrylic acid derivatives. Thermo-reversible gelling materials.
Classification and mode of action of hydrolytic enzymes.
Classification and properties of organic solvents. Volatility, diffusion and solvating power. The issue of toxicity. The solubility parameters.
A gradual approach to solubility of film-formers: the solubility test.
Siloxanes in free and gelled form.
Temporary hydrophobization of water-sensitive surfaces

PRACTICAL COMPONENT

September 26 | 9:00 - 13:00 e 14:00 - 18:00

PAOLO CREMONESI

Preparation of aqueous solution and solvent mixtures in free and gelled form. Measuring surface parameters (pH and conductivity).

September 27 | 9:00 - 13:00 e 14:00 - 18:00

LETIZIA SATTO

Aqueous and solvent treatments on selected case studies.

September 28 | 9:00 - 13:00 e 14:00 - 18:00

LETIZIA SATTO

Aqueous and solvent treatments on selected case studies.

REGISTRATION

Deadline 15th of July 2018

Professionals and students from other institutions

All practical + theoretical sessions 400 Euros

All theoretical sessions 120 Euros

Students and Alumni UCP, CCR collaborators and CITAR researchers

All practical + theoretical sessions 300 Euros

All theoretical sessions 100 Euros

Organization:

CITAR – Research Center for Science and Technology of the Arts

Research Group: Study and Conservation of Cultural Heritage

TARGET-AUDIENCE

Conservators-restorers, professors, Conservation students.

LANGUAGE

English

NUMBER OF PARTICIPANTS

Practical sessions - 20

Theoretical sessions - up to the auditorium limit

OBSERVATIONS

It is not allowed the registration in practical sessions only.

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CURRICULUM VITAE

PAOLO CREMONESI

Doctoral Degree (Chemistry) from the University of Milan, 1982; Ph.D. (Bio-medical Chemistry) from the University of Nebraska Medical Center, Omaha, Nebraska, USA, 1987; Diploma in Restoration of Paintings on Canvas and Panel from the Istituto per l'Arte e il Restauro, Florence, 1993.

Since 1991 he has worked in the field of conservation of paintings, polychrome wooden sculpture and paper/library materials, collaborating with various public Institutions, Universities and conservation schools, Museums and private conservation studios in Italy, France, Spain, Switzerland, in various activities: research, teaching, consulting.

His main area of interest is in studying/ developing materials and methods for cleaning, and since 1995 he has been teaching a cleaning workshop in more than 60 Italian cities, and in France, Belgium, The Netherlands, Switzerland, Spain, Croatia, Slovenia, Finland, Denmark, Norway, Austria.

From 1995 to 2005, he has acted as a consultant for the Opificio delle Pietre Dure in Florence. From 2000 to 2010 he has been acting as the Scientific Coordinator of Cesmar7 - The Centre for the Study of Materials for Restoration in Padua, Italy.

For the publishing house Il Prato, in Padua, Italy, since 1999 he has been the editor of the series I Talenti, including over 30 titles on art/ conservation materials.

LETIZIA SATTO

After receiving the diplomas of 'Assistant Conservator' and 'Antique Books Conservator', Letizia Satto has been working (since 2005) as a paper conservator in collaboration with museums and Institutions in Italy and other countries. She constantly upgrades her knowledge and practical skills in paper conservation attending various workshops. Since 2008 she has been working in her own conservation studio in Vicenza, Italy.



CONTACTS

For further information concerning registrations, please contact eventos@porto.ucp.pt

For technical questions, please contact cbarata@porto.ucp.pt

NOTES:

Special price for students and Alumni and UCP employees

REGISTRATION ONLINE

Professionals and students from other institutions - [link](#)

Students and Alumni UCP, CCR collaborators and CITAR researchers - [link](#)