

THE USE OF NANOCELLULOSE FILMS IN CONSERVATION-RESTORATION

NEW DATE : June 2022

HE-Arc Conservation-restoration, Neuchâtel

DESCRIPTION

Graphic artworks, documents and objects made of translucent or transparent supports are abundant in archives, libraries and museum collections.

They include thin papers, tracing papers, cellulose acetate sheets or films, gelatin... These supports are generally delicate and fragile, which induce some structural issues, such as tears or delamination of the media. The situation becomes especially problematic when there is a need to handle these materials for consultation, digitization or exhibition.

The field of nanotechnologies offers new possibilities to stabilize translucent and transparent supports with innovative materials. This course will focus on one kind of nanomaterials - the nanocellulose films, also known as nanopapers.

This course will be given in English. French translation may be given.



OBJECTIVE

This two-day intensive course will provide established conservators for understanding the use of nanocellulose films in conservation. The course consists primarily of hands-on activities, but will also include a lecture, group discussions, examination of various nanocellulose films, the making of some films (MFC and MFC-based nanocomposites) and the application of this new material on a selection of graphic artworks and documents.

Participants will :

- Gain an understanding of nanocellulose films and their use in conservation
- Study and examine various samples of nanopapers
- Learn how to make nanocellulose films and nanocomposites in a conservation lab
- Learn how to use them in paper conservation

TARGET AUDIENCE

Conservators specialized in papers, photographs, composite objects

CONTENT

Day 1

Morning (lecture) :

- Nanocellulose films in art conservation
- Questions and answers session

Afternoon (atelier) :

The 3 methods to make nanocellulose films :

- Making of nanocellulose films in the lab
- Presentation of a selection of handmade films
- Making of nanocomposite films in the lab
- Questions and answers session

Day 2

Morning (atelier) :

- Presentation and observation of a selection of industrial products
- Consolidation of paper materials using nanocellulose suspensions

Afternoon (atelier) :

- Application of nanocellulose films on translucent and transparent materials
- Questions and answers session

TRAINER

Remy Dreyfuss-Deseigne is a paper and book conservator, graduated in art history at the Ecole du Louvre (Paris) and conservation at the Institut National du Patrimoine (Paris).

He obtained the 2015-2016 National Endowment for the Arts fellowship in paper conservation offered by the Conservation Center for Art & Historic Artifacts (CCAHA, Philadelphia, PA). His main focus is the study of graphic artworks and documents made of translucent and transparent materials.

He is now pursuing his research on nanocellulose films at the Research Center for Conservation (CRC, Paris) and provides workshops in Europe, United States and Japan.

COORDINATION

Hortense de Corneillan, conservator and teacher at HE-Arc

FEE

CHF 550.-

Meals and travel expenses are not included.