

Événement

02.10.2017, 09:20

Technical Imaging: Practical methods for the scientific examination of fine arts, historical and archaeological objects.



3 day training in non destructive, low cost visual examination / documentation of art works with Dr. Antonino Cosentino

(CHSOS-Cultural Heritage Science Open Source (<https://chsopensource.org>))

The **Swiss Association for Conservation and Restoration SCR** is organizing a three day CHSOS training workshop on: 'Practical Methods for Art Examination'.

This exclusive training (10 people max.) is concentrating on low cost, simple but state of the art methods for visual, non destructive examination techniques.

CHSOS serves an international audience of art professionals: conservators, art historians, and conservation scientists. Its technical innovations and strategies are being adopted by museums and cultural institutions worldwide. CHSOS disseminates this knowledge through the CHSOS website, publications, and training programmes.

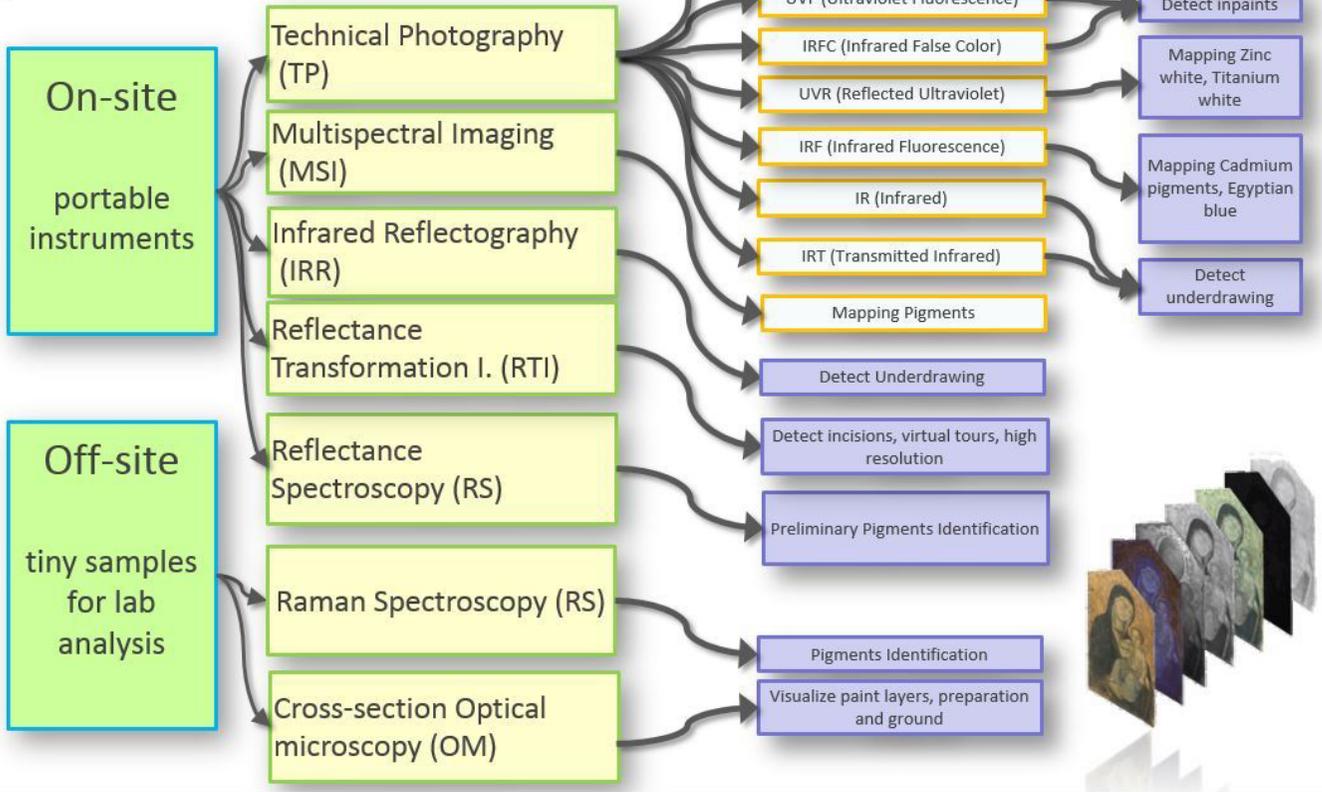
CHSOS training programmes teach practical methods for Art Examination and Documentation. The modules illustrate imaging and spectroscopy methods regularly used by cultural heritage scientists and conservators for the scientific and forensic investigation of art objects.

All the training modules have hands-on activities and students practice with the CHSOS equipment.

The ideal audience is made of art and archaeology professionals: conservators, conservation scientists, art appraisers and fine art photography. No specific educational background is necessary. CHSOS courses are designed for a large audience ranging from art professionals to scientists.

A Technical Photography documentation consists of a collection of scientific images realised with a modified digital camera sensitive to the spectral range about 360-1000 nm. Each image provides just a bit of information but all together they represent the most practical and successful methodology to study art and archaeology.

CHSOS – art examination methods



Numéro: 3163/17

Statut: Non dépassé

Begin: 31.01.2018, 16:00

Fin: 02.02.2018, 17:00

Date de clôture: 28.11.2017, 17:00

Tuteur: Dr. Antonino Cosentino

Groupe cible: Conservators and Archaeologists

Lieu: Swiss National Museum Collection Centre Lindenmoosstrasse 1 8910 Affoltern am Albis

Max. Participants: 10

Inscriptions: 0

Inscription possible: 10

Prix: CHF 1190.00

Instructor's short bio



The Training program will be run by Dr Antonino Cosentino. CHSOS's director. Dr. Antonino Cosentino is a Ph.D. physicist specialized in Art diagnostics who has taught "Scientific Methods for Art Investigation" in Europe and US. He is an expert in imaging and analytical techniques which he has carried out on important works of art for European and American Institutions and private collectors. For more information on his scientific work visit Dr. Cosentino on [Researchgate](https://www.researchgate.net/profile/Antonino_Cosentino/) (https://www.researchgate.net/profile/Antonino_Cosentino/), [Linkedin](http://www.linkedin.com/in/antoninocosentino) (<http://www.linkedin.com/in/antoninocosentino>), and [Academia.edu](https://independent.academia.edu/AntoninoCosentino) (<https://independent.academia.edu/AntoninoCosentino>) or check out [his publications](https://chsopensource.org/publications/) (<https://chsopensource.org/publications/>).

Programme:



A Technical Photography documentation consists of a collection of scientific images realized with a modified digital camera sensitive to the spectral range about 360-1000 nm. Each image provides just a bit of information but all together they represent the most practical and successful methodology to study art and archaeology.

1st Day (31. January 2018). Technical Photography (~6h)

Technical Photography represents a collection of broadband spectral images realized with a modified full spectrum digital camera and different lighting sources and filters.

We will practice hands-on shooting and editing for these technical photos:

- VIS, Visible (Polarized light Photography)
- RAK, Raking light Photography
- UVF, Ultraviolet Fluorescence Photography
- UVR, Reflected Ultraviolet Photography
- IR, Infrared Photography
- IRT, Infrared Transmitted Photography
- IRF, Infrared Fluorescence Photography
- IRFC, Infrared False Color Photography

2nd Day (1. February 2018). Panoramic Infrared Reflectography, Reflectance Spectroscopy, RTI (~6h)

Infrared Reflectography allows to identify underdrawing and pentimenti. We coupled it with the panoramic method in order to acquire infrared reflectograms with a fast and lightweight set up.

Reflectance Spectroscopy (RS) is affordable and it provides information useful for the identification of pigments.

Reflectance Transformation Imaging (RTI) creates a virtual and enhanced visualization of an object's surface and it is useful in art examination and documentation.

3rd Day (2. February 2018). Multispectral Imaging (~6h)

Multispectral Imaging (MSI) is used to map and tentatively identify pigments and retouchings on works of art. It is also useful to visually enhance old and faded documents

Practical informations

How to get there / address:

Swiss National Museum
Collection Centre
Lindenmoosstrasse 1
8910 Affoltern am Albis

Please use [public transports \(http://fahrplan.sbb.ch/bin/query.exe/en\)](http://fahrplan.sbb.ch/bin/query.exe/en) as parking lots are not available at the training site

| Station/Stop | Time | Platf./ Edge | Travel with | Occupancy | Comments |
|---|-----------|--------------|---|-----------|-------------------------------|
|  Zürich HB | dep 08:19 | 31 |  | | Urban train 14 19428 |
|  Affoltern am Albis | arr 08:48 | 3 | S 14 | | Direction: Affoltern am Albis |
|  Affoltern am Albis | | |  | | 13 min. |
|  8910 Affoltern am Albis,  Lindenmoosstrasse 1 | | | walk | | |

Duration: 0:42;
runs daily

Detailed schedule:

A detailed schedule will be emailed to registered participants. The trainings will start 9am with plenty of time for hands on experience and discussions during coffee breaks (coffee included).

Lunch:

Lunch is not included. You may bring your own lunch and eat at the cantina of the Collection Centre. Some self serve restaurants are in short walking distance (10 minutes).

Accommodation:

If you need an overnight accommodation we recommend you one of the hotels in the nearer vicinity.

Hotel Arche

<https://yellow.local.ch/de/d/NWixzjmfNIHUDT4JPM1JCQ>Zürichstrasse 60, 8910 Affoltern am Albis, +41 44 762 22 22
www.hotelarche.ch (<http://www.hotelarche.ch/>)

Hotel Löwen

https://yellow.local.ch/de/d/fuqnmCda20ukLL_qwzJLSABahnhofplatz, 8910 Affoltern am Albis, +41 44 761 62 05

Hotel Holiday Inn Express (<https://yellow.local.ch/de/d/v84L44CIL7iDqfvHOJBhQA>), Obstgartenstrasse 7, 8910 Affoltern am Albis, +41 44 782 00 00 (tel:+41447820000) welcme@express-zuerich.ch (<mailto:welcme@express-zuerich.ch>)
<https://www.ihg.com> (<https://www.ihg.com/holidayinnexpress/hotels/de/de/reservation>)

Booking / Reservation:

Registration will be on a "first come first serve" basis. Your registration will become valid after payment, therefore we strongly recommend to place your payment via Credit Card or / and PayPal at the check out of the registration process. You may choose bank transfer as well but your registration will be temporary until we have received your payment thus someone may be quicker than your bank and gets the last available seat... hurry up!

Costs / Training fee:

Members of the SCR CHF 790.-
Non-Members: CHF 1'190.-