

# Cultural Heritage Science Open Source

Share and learn about Scientific and Technical Examination of Art

## Training

### Technical Imaging for Art Documentation and Examination



#### Educational goals.

This fully hands-on training program will make you practice with the multispectral imaging methods and equipment that I use for Documentation and Examination of art objects, such as described in "[Cultural Heritage Science Open Source](#)" Blog.

#### Timeline.

5-days - Monday-Friday. 5 hours/day: 2h Theory and 3h Laboratory.

#### Ideal Customer

- Institutions, museums, universities who do want set up their own imaging lab.
- Private art collectors and conservators. Art historians, Art photographers.

#### Language

English.

#### Location

The training is usually done in Italy at the "[Cultural Heritage Science Open Source](#)" Lab which is 30 min from Catania airport, the 7th largest in Italy. Accommodation is possible in a walking distance B&B. Otherwise training can be performed in your location.



#### Program:



1<sup>st</sup> day: **Imaging with Visible:** Color Management workflow and accuracy, Raking light, Macro photography, **Imaging with UV:** UV Fluorescence, UV Reflected.

2<sup>nd</sup> day: **Imaging with IR:** Digital Infrared, Infrared False color, Infrared Fluorescence, Infrared Transmitted.

3<sup>rd</sup> day: **Imaging with IRR:** Infrared Reflectography, InGaAs camera.

4<sup>th</sup> day: **High-Resolution Imaging:** Gigapan Panoramic Head, Panoramic IRR, PTGUI stitching software. **Multispectral Imaging analysis:** MultiSpec.

5<sup>th</sup> day: **Advanced Photographic methods:** RTI (Reflectance Transformation Imaging), HDR (High Dynamic Range). RAW images editing.

#### Laboratory Equipment

##### Hardware

- **InGaAs** IR Reflectography Camera Merlin Indigo System.
- **Nikon D800** 36MP Digital Modified UV-VIS-IR camera.
- **Gigapan Pro** Panoramic Head.



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