

Crowd funded Research: Low-cost Multispectral Imaging

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CHSOS **develops** affordable methodologies for Art examination serving the Art Conservation community

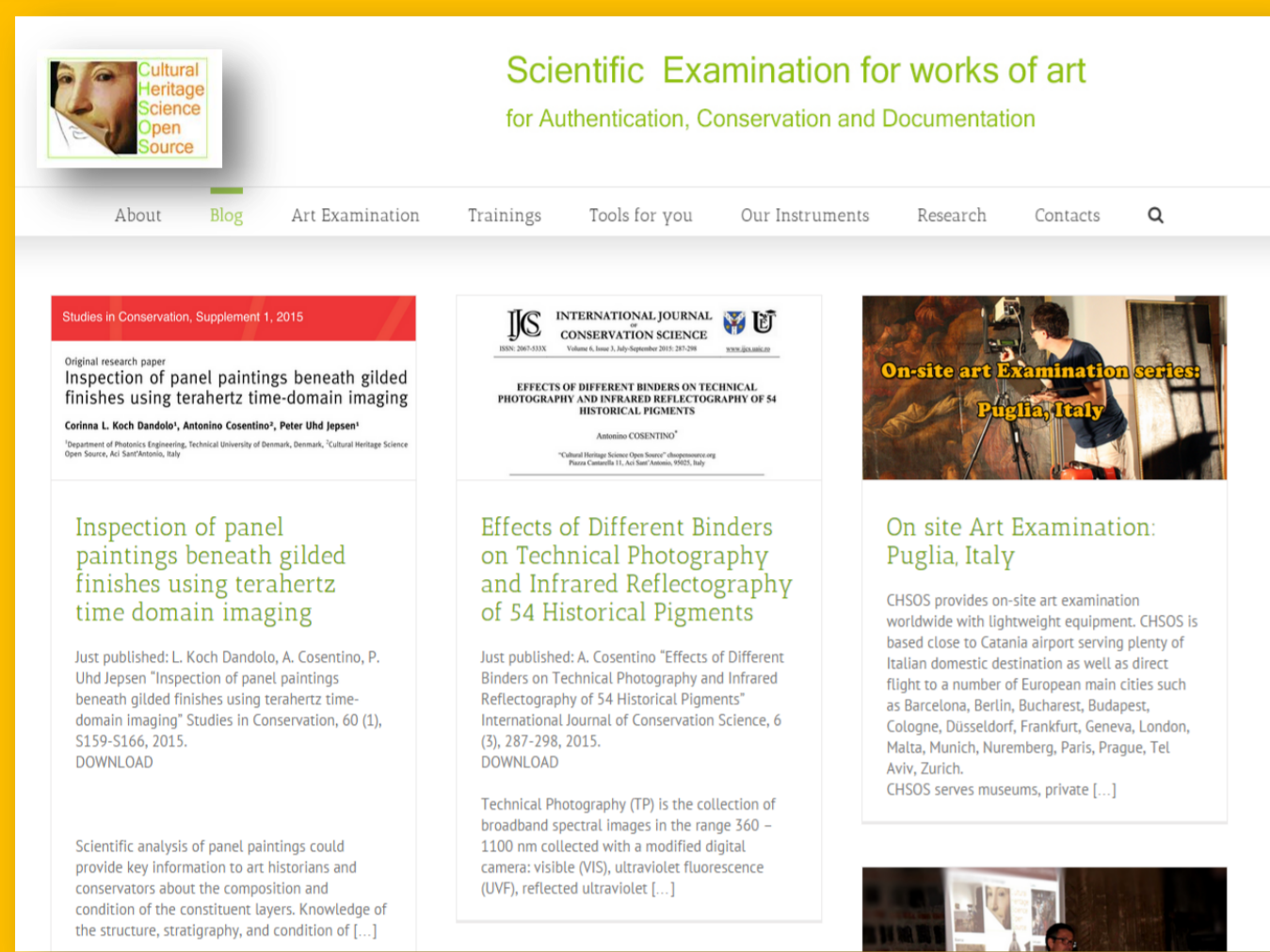
Learn these methods

TRAINING

BLOG

PUBLICATIONS

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A **practical guide** to Panoramic Multispectral Imaging

Practical notes on ultraviolet technical photography for art examination

Multispectral Imaging of Pigments with a **digital camera** and 12 interferential filters

Panoramic infrared Reflectography. **Technical Recommendations**

FORS spectral database of historical pigments in different binders

Macro Photography for Reflectance Transformation Imaging: A **Practical Guide** to the Highlights Method



Fully hands-on Multispectral Imaging training with our new system!

Learn Affordable methods for Art Examination

Join our Training program in Italy or request it in your Institution

1st day. Technical Photography
2nd day. Infrared Reflectography Reflectance Spectroscopy, RTI
3rd day. Multispectral Imaging

Visit chsopensource.org

Crowd-funding

CHSOS has developed a low-cost multispectral imaging system for art and archaeology realized thanks to the first ever crowdfunding project in art conservation science. Micro funding came from art conservation professionals.

Low-Cost Multispectral Imaging

- A full spectrum (360-1100 nm) digital camera.
- A set of 18 bandpass filters for historical pigments identification.
- Our new on-scene reflectance standards.
- Raw Images splitting and calibration with **free software**

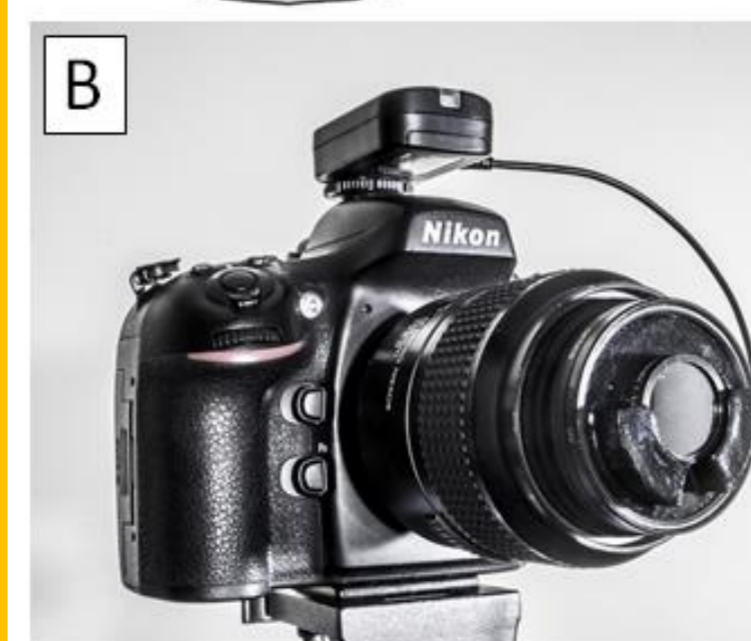
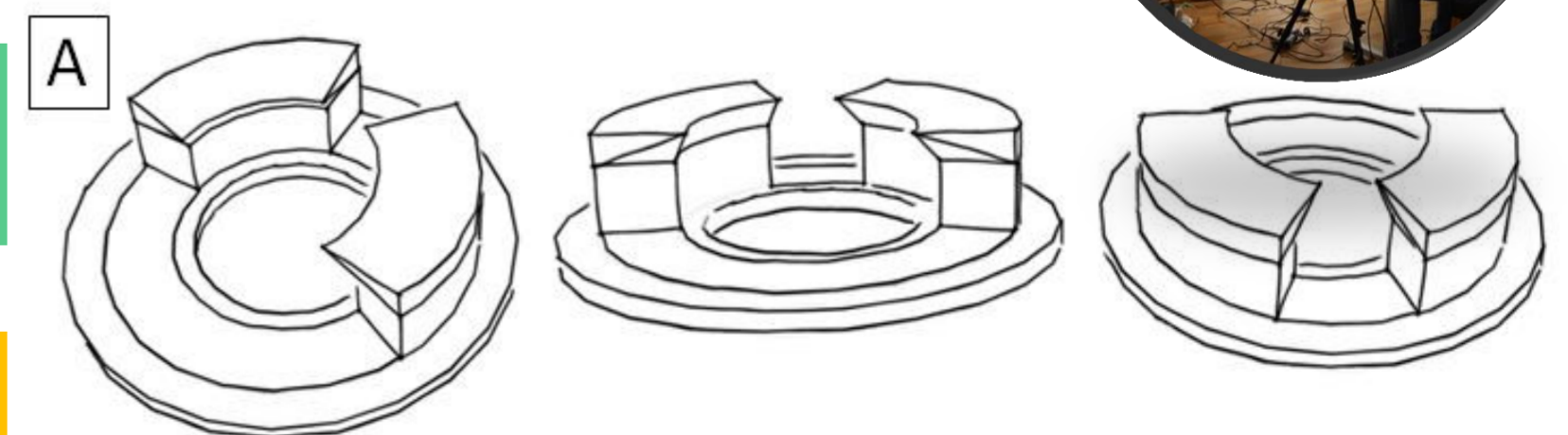
**mapping pigments
segmenting inpaints
enhance faded
documents**



Tested on Pigments Checker: 54 historical pigments



III International Meeting on Retouching of Cultural Heritage Porto (Portugal) 23-24/10/2015



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