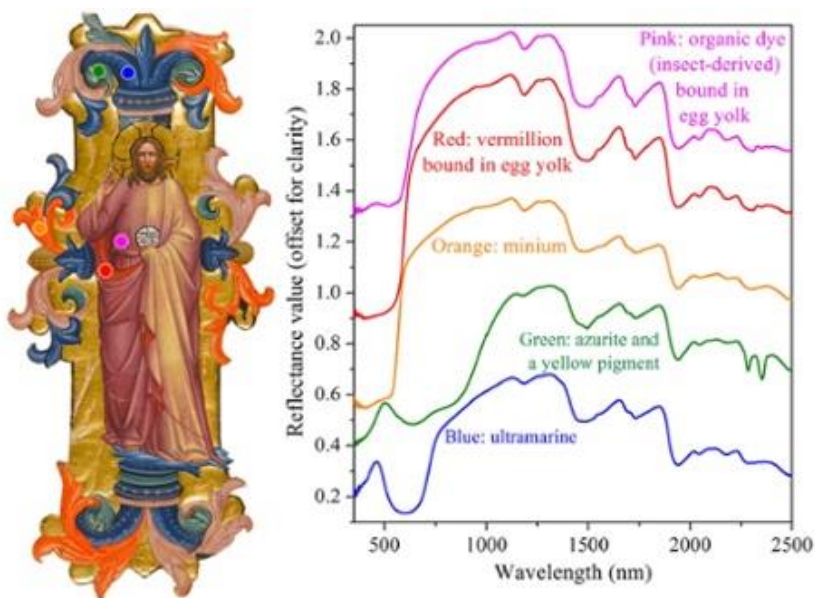


Application of NIR spectroscopy to works of art

This November, our spectroscopy webinar focuses on the application of NIR spectroscopy to works of art and features ASD's [FieldSpec® 4 SPECTRORADIOMETER](#).



Christ forming initial I with reflectance spectra showing identification of pigments and selective presence of egg yolk. Fitzwilliam Museum, Marlay cutting It. 13ii (Italy, Florence, c. 1409 with additions of c. 1450)

In this webinar you will learn about:

- The role of UV-Vis-NIR reflectance and luminescence spectroscopy in a museum context
- Protocols and instrumentation used
- The challenges of cultural heritage analysis: fragile and light-sensitive material, lack of robust reference samples
- Examples of specific discoveries made with this method on easel paintings, illuminated manuscripts, historic textiles

Date and Time: November 14, 2016 9:00am MST (3:00pm UTC)



About our Speakers:

Dr. Paola Ricciardi is a Research Scientist at [The Fitzwilliam Museum \(University of Cambridge\)](http://www.fitzwilliammuseum.org) where she is responsible for the scientific aspects of the MINIARE research project (www.miniare.org). She holds a PhD in Cultural Heritage Science from the University of Florence and a Master's Degree in Physics from the University of Rome. Before joining the Fitzwilliam Museum in October 2011, she spent three years at the National Gallery of Art in Washington DC as the Samuel H. Kress post-doctoral Fellow in Imaging Science.

Her main research interests include the technical analysis of cultural heritage objects, particularly with non-invasive analytical methods; the study of artists' materials and techniques; and the transfer of knowledge between artists and craftsmen working in different media.

Dr. John Delaney is the Andrew W. Mellon Senior Imaging Scientist at the [National Gallery of Art](http://www.nga.gov), where his research focuses on the development of in situ imaging methods for art conservation and understanding of the optical properties of varnishes. Prior to joining the Gallery he was Chief Scientist and Systems Engineering Manager for the U2 Business Unit of Surveillance and Reconnaissance Systems, Goodrich Cooperation. He received his Ph.D. from The Rockefeller University and completed post-doctoral studies at the University of Arizona and The Johns Hopkins University School of Medicine.

Join us on November 14, 2016 at 9:00am-10:00am MST (3:00-4:00pm UTC)

*****Register to attend this webinar by completing the form online at:***
<http://panalytical.asdi.com/application-nir-spectroscopy-works-of-art>

A video recording will be sent to all registrants after the live webinar.