



SEAHA

EPSRC CENTRE FOR DOCTORAL TRAINING
SCIENCE AND ENGINEERING IN
ARTS HERITAGE AND ARCHAEOLOGY

Conference Title: SEAHA Special Seminar in Multispectral and Hyperspectral Imaging

Audience: Imaging Scientists and heritage professionals who wish to know more about emerging techniques in the field of multispectral and hyperspectral imaging.

Date: Thursday 30th June 2016

Time: 09.30 – 19.00

Ticket Price: £70.00 pp (Refreshments, lunch & wine reception included)

Venue: [Wolfson College, Linton Road, Oxford, OX2 6UD.](#)

- **Getting there by car and bicycle:** Wolfson College is located at the end of Linton Road, which is off of the Banbury Road in North Oxford. The college can be accessed by car but parking is limited to designated areas and is only available for a maximum of 3 hours. Parking restrictions exist in the roads adjacent to the college. Driving instructions and public transport options can be found at google.co.uk/maps.
- **Public Transport:** [The 500 Park and Ride bus service](#) operates between the Water Eaton (Oxford Parkway) site (north of the ring road near Kidlington) and the City Centre. There is a stopping point on the northbound and southbound routes, on Banbury Road opposite the end of Linton Road (ask for the 'St Margaret's road stop'). It is approximately a five-minute walk from this junction to the College.

Speakers and Chairs:

- Dr Fenella France, Library of Congress, Washington, US (Keynote Speaker)
- Prof Melissa Terras, Digital Humanities, UCL, London UK
- Prof Matija Strlic, UCL Institute for Sustainable Heritage, London UK
- Dr Roger Easton, Rochester Institute of Technology, US
- Prof David Messinger, Rochester Institute of Technology, US
- Prof Adam Gibson, Dept. Medical Physics and Bioengineering, UCL, UK
- Mr David Howell, Oxford University, UK
- Mr Ludo Snijder, Dept of Archaeology, Leiden University, Netherlands

SEAHA Students: Ian Maybury, Hend Mahgoub, Cerys Jones.

Conference Overview

Multispectral/hyperspectral imaging is the process in which image data is captured at specific frequencies across the ultra violet (VIS) and near-infrared (NIR) spectroscopy. The imaging captures all the spatial and spectral data that can be seen within the field of view of the imaging device. This new set of virtual eyes gives users a more complete view of any type of reflecting material than the human eye alone. It can be used to reveal information about both the identity of objects (e.g. pigments, lichen, binder) and hidden text or pictorial information in built heritage as well as objects in a museum, a library, or a university. It also provides information about the chemical composition and concentration, effectively chemical imaging.

The EPSRC Centre for Doctoral Training in Science and Engineering in Arts, Heritage and Archaeology (SEAHA) are proud to sponsor this one day symposium that brings together some of the world's most experienced practitioners in the emerging technique of multispectral and hyperspectral imaging, alongside the cutting edge research that is being carried out by their students and partners.

This impressive line-up of world class speakers will be sharing their experience and recent findings and showcasing the power of these techniques with dramatic discoveries and deep technical knowledge. This is an event not to be missed if you are an Imaging Scientist and Heritage professional keen to learn and share more about this exciting area of research.

The event will include talks from a wide range of specialists in this field providing delegates the opportunity to ask any questions they may have and to learn how these techniques are being used to discover images that have never been seen before.

To book your place click on the following link:

http://www.oxforduniversitystores.co.uk/browse/extra_info.asp?compid=1&modid=1&deptid=160&catid=2641&prodid=12085

This will take you to the University of Oxford Online Store where tickets can be purchased at a cost of £70.00 per person which includes a full day of world class speakers along with many opportunities to ask questions and network with like-minded professionals. Refreshments will be provided though-out the day including a sit down lunch and wine reception. Delegates are warmly invited to submit a poster and those wishing to do so should contact David Howell via david.howell@bodleian.ox.ac.uk

Joining instructions will be sent out 2 weeks before the event confirming timings and further information regarding directions and transport options. If you have any questions before then please get in touch via staff-dev@bodleian.ox.ac.uk