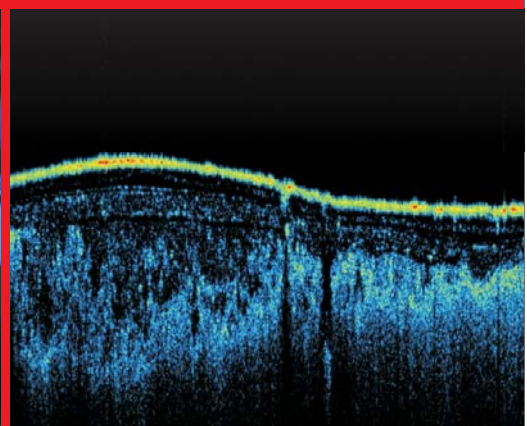


# New techniques for the non-invasive investigation of the surface and subsurface structure of heritage objects: 25 - 26 June 2013 & Training on application of Optical Coherence Tomography (OCT) to structural analysis: 27 - 28 June 2013



**Location:** Nicolaus Copernicus University, Toruń, Poland

[http://www.fizyka.umk.pl/~oct4art/CHAR\\_2013/index.html](http://www.fizyka.umk.pl/~oct4art/CHAR_2013/index.html)

## The meeting will consist of two events:

- **New techniques for the non-invasive investigation of the surface and subsurface structure of heritage objects 25-26 June 2013**  
This two-day workshop, organised under the CHARISMA EU-funded project, will focus on advances in the non-invasive investigation of the surface and sub-surface structure of cultural heritage objects. A number of techniques of this kind are being developed within CHARISMA, including optical coherence tomography, terahertz spectroscopy and imaging, combined time-resolved and steady-state fluorimetry, single-sided NMR tomography and IR scanning confocal microscopy. This event will bring together expertise in these and other relevant techniques, through a series of invited presentations describing the characteristics and capabilities of each type of instrumentation, with the emphasis on practical applications in the cultural heritage field. There is also an open call for poster submissions for the event. There will be no fee for the event. **Contact:** [marika.spring@ng-london.org.uk](mailto:marika.spring@ng-london.org.uk).
- **Training on application of Optical Coherence Tomography (OCT) to structural analysis 27-28 June 2013**  
This two-day training event will be dedicated to traditional and innovative applications of OCT to the examination of cultural heritage objects. During the first day the physical background and a review of the state-of-the-art of OCT will be presented and the most advanced applications to cultural heritage will also be reviewed. A second day will be mostly devoted to practical training with utilisation of the OCT instrument built for the CHARISMA project. For this purpose various objects will be provided by the organizers. Nevertheless, participants are encouraged to bring their own samples. There will be no fee for the event. **Contact:** [ptarg@fizyka.umk.pl](mailto:ptarg@fizyka.umk.pl)

## Deadlines:

30 April, 2013

poster presentation submission for event #1,  
oral presentation submission for event #2 (restricted to the case study reports of OCT applications to cultural heritage objects, to be presented during the first day of the meeting)

**Invited speakers:** New techniques for the non-invasive investigation of the surface and subsurface structure of heritage objects

- Claudia Daffara - University of Verona, Italy
- Koen Janssens - University of Antwerp, Belgium
- Haida Liang – Nottingham Trent University, UK
- Heinz-Eberhard Mahnke, Freie Universität Berlin, Germany
- Costanza Miliani - Centro SMAAart of the University of Perugia and CNR-ISTM, Italy
- Tyler Meldrum - RWTH Aachen University, Germany
- Gillian Walker - University of Reading, UK

## Organizers:

The National Gallery, London, UK  
Nicolaus Copernicus University, Torun, Poland

**Invited speakers:** Training on application of Optical Coherence Tomography (OCT) to structural analysis

- Mady Elias – Evry University, France
- Haida Liang – Nottingham Trent University, UK
- Marika Spring - National Gallery, London, UK
- MeiLi Yang – Tamkang University, Taipei, Taiwan



THE  
NATIONAL  
GALLERY