



Comune di Roma



REGIONE LAZIO  
Assessorato alla Cultura, Spettacolo e Sport

# RICH Research Infrastructures For Cultural Heritage

*Study Meeting - 5 October 2005  
Istituto Sturzo,  
Palazzo Baldassini, Roma*





Comune di Roma



REGIONE LAZIO  
Assessorato alla Cultura, Spettacolo e Sport



## SCOPE

The workshop and the foresight study, organized by European scientific institutions with affiliations to advanced lasers, neutrons and synchrotron radiation research centres, are aimed at bridging the current knowledge gap between Research Infrastructures (RI) and the Cultural Heritage (CH) community, by bringing together RI scientist, current and future RI users in the field of CH, and a panel of leading CH experts.



Comune di Roma



REGIONE LAZIO  
Assessorato alla Cultura, Spettacolo e Sport



## THE WORKSHOP

The interdisciplinary workshop will consist of scientific sessions, including invited and contributed talks, as well as a poster session, focused on recent advances of CH research with neutrons, synchrotron X-rays and lasers.

A plenary session with CH experts will address future perspectives of large scale facilities in Cultural Heritage.

## THE FORESIGHT STUDY

This study will identify how present and future needs in the field of conservation and investigations of objects of historic and cultural significance can be best met by **RI** research and instrumentation. The findings will help **RIs** to further adapt neutron, synchrotron and laser radiation facilities to the requirements of a wider community in cultural heritage research.

nmi3



Comune di Roma



REGIONE LAZIO  
Assessorato alla Cultura, Spettacolo e Sport



## THE STUDY MEETING

The RICH meeting will be preceded by a study meeting in Rome, where international experts in the fields of Cultural Heritage and public and private research will meet in working groups dedicated to topics as assignment, restoration, conservation and certification.

Scope of this one day meeting will be:

- to identify the needs of the CH community in specific areas, in order to define the most suitable techniques for the study of objects of historical, cultural and archaeological interest;
- to drive strategical decisions in the field of research and technology transfer in these fields;
- to map the emerging critical technologies, fundamental for the economic and social development and possible with the scientific and industrial resources in this field.

nmi3



Comune di Roma



REGIONE LAZIO  
Assessorato alla Cultura, Spettacolo e Sport



## MAIN OBJECTIVES

To provide a vibrant and interdisciplinary forum to discuss recent scientific results and techniques employing neutrons, synchrotron X-rays and lasers in Cultural Heritage research.

To map the community involved in activities related to Cultural Heritage research at advanced radiation sources.

To bridge the current knowledge gap and improve synergies between art historians, conservation scientists and natural scientists.

To encourage cross-fertilization between the CH community and RI researchers.

To identifying the scientific needs of the CH community, i.e networking, coordination, physical infrastructures, virtual infrastructures etc.

To identify the technical requirements of future instrumentation best suited to investigate CH objects

nmi3



Comune di Roma



REGIONE LAZIO  
Assessorato alla Cultura, Spettacolo e Sport



## CONFERENCE SPONSORS

- CCLRC
- CNR
- Eu-Artech Access, Conservation of the European Cultural Heritage
- The Abdus Salam International Centre for Theoretical Physics
- I3 Neutron Scattering and Muon Spectroscopy
- I3 Synchrotron and Free Electron Laser
- LABEC - INFN
- LASERLABB Europe, Integrated European Laser Laboratories- I3
- L'Associazione *School of Neutron Scattering Francesco Paolo Ricci*

## RESEARCH INFRASTRUCTURES

- |              |            |
|--------------|------------|
| Bessy (D)    | JSNS (J)   |
| Diamond (UK) | PSI (CH)   |
| Elettra (I)  | SOLEI (FR) |
| ESRF (F)     | SLS (UK)   |
| ILL (F)      | SNS (US)   |
| ISIS (UK)    |            |

nmi3



Comune di Roma



REGIONE LAZIO  
Assessorato alla Cultura, Spettacolo e Sport



## CONTACTS

Paolo G. Radaelli (ISIS Facility and  
University College, London, UK)

P.G.Radaelli@rl.ac.uk

Franco Zanini (ELETTRA and University of  
Trieste, I) zanini@elettra.trieste.it

## INFORMATION

Further information, updates to the  
programme, registration details and  
information on hotels will be posted on the  
workshop web site.

[neutron.neutron-eu.net/n\\_nmi3/  
n\\_networking\\_activities/rich](http://neutron.neutron-eu.net/n_nmi3/n_networking_activities/rich)