

Vibrational Spectroscopy at Central Facilities:

A joint meeting of the Royal Society of Chemistry Molecular Spectroscopy Group and the Infrared and Raman Discussion Group

Thursday 31st August 2006

Venue: Conference Rooms 12 & 13, Rutherford Appleton Laboratory

- 10:00 Coffee and Registration
10:30 Introduction to CCLRC
Professor John Wood, CEO CCLRC
10:45 High-Resolution Infrared Studies at the RAL Molecular Spectroscopy Facility.
Dr Kevin Smith, Atmospheric Science, CCLRC
11:20 Time Resolved Vibrational Spectroscopy of DNA.
Professor Tony Parker, Central Laser Facility, CCLRC
11:55 DFT Analysis of Vibrational Spectra
Dr Keith Refson, Computational Materials Science Group, CCLRC
12:25 Vibrational Spectroscopy with Neutrons: Catalysts, Hydrides and Polyethylene
Dr Stewart Parker, ISIS Facility, CCLRC
13:00 Lunch and photograph
14:00 Synchrotron Infrared Microspectroscopy
Dr Paul Dumas, Soleil Synchrotron, Paris
14:50 Synchrotron Reflection Absorption Infrared Spectroscopy
Dr Peter Gardner, School of Chemical Engineering and Analytical Science, The University of Manchester
15:25 The Infrared Beamline at the New Diamond Facility.
Dr Gianfelice Cinque, Diamond Light Source
15:35 Update on 4GLS
Dr Elaine Seddon, Synchrotron Radiation Source, CCLRC
16:00 Closing Remarks
Tours of facilities (ISIS, CLF, MSF) available by prior appointment

REGISTRATION by Thursday 24th August. For travel information see:

<http://www.cclrc.ac.uk/Activity/RALMaps>. There is a bus from Didcot Parkway (the nearest railway station) to Harwell IBC (bus stop at RAL) at 09:44 (arrives 10:00) and at 10:15 (arrives 10:31).

The registration fee is £10.00 for an unemployed / retired IRDG member / bona fide student, £25.00 for an IRDG or RSC Molecular Spectroscopy Group member and £40.00 for non-members. Cheques made payable to 'IRDG'.

Please reserve places at £10.00, places at £25.00 and places at £40.00 for the IRDG/RSC meeting on Thursday 31st August 2006. I require vegetarian meals.

There will also be an opportunity to tour CCLRC facilities at RAL: ISIS (neutron source), CLF (time resolved laser spectroscopy) and MSF (high resolution infrared spectroscopy). Please circle the facility you wish to visit.

Name(s):		Email:	
Address:			

Please return to: Dr S.F.Parker, ISIS Facility, Rutherford Appleton Laboratory, Chilton, Didcot, Oxon, OX11 0QX.