

BCA IG Small Angle Scattering SIG, Grenoble – Meeting Programme

Monday 2nd July 2007

09:00 Tour of ILL with *Charles Dewhurst, Isabelle Grillo and Ingeborg Te Groen.*

Starting at the main hall of the ILL, Building (ILL 04 on the site map).

10:30 Coffee In Cafeteria of CIBB building (44 on site map)

Chair: Darren Spruce. **In room 214** second floor of CIBB building (44 on site map)

11:00 An Introduction to SAXS and SANS.

Peter Laggner, Institute of Biophysics and Nanosystems Research Graz.

12:00 Smectic ordering in side-chain liquid crystal polymers (LCP's) and in LCP-silica nanocomposites.

Françoise Ehrburger-Dolle, Laboratoire de Spectrométrie Physique, CNRS-UJF, France.

12:30 Small Angle X-Ray Scattering (SAXS) with NanoSTAR – Principles & Applications.

Richard Görgl, Materials Center Leoben.

13:00 Lunch in a special zone of the site canteen.

Chair: Jeremy K Cockcroft.

14:00 SAXS studies of powder particle deformation during compaction.

Peter Laity, Cambridge.

14:30 D33 - A third Small Angle Neutron Scattering instrument at ILL.

Charles Dewhurst, ILL.

15:00 In-situ studies of flowing samples with SAXS and SANS.

Adrian Rennie, Uppsala.

15:30 Creating 3D-Networks and Hydrogels from Self-Assembling Peptides.

Alberto Saiani, Manchester.

16:00 Tea

Chair: Richard Morris.

16:30 Use of Small-Angle Scattering for the characterisation of precipitates in metallic alloys.

Alexis Deschamps, SIMAP, (Science et Ingénierie des Matériaux et Procédés), France.

17:00 Microwave heating in materials science and biology: is it all just hype and hypochondria?

Andrew Harrison, ILL.

17:30 I22 - A non-crystalline diffraction beamline for the physical and life sciences

Jennifer Hiller, Diamond Light Source.

18:00 Close

19:30 Evening Dinner: Coach transfer to Restaurant La Panse in Grenoble (return at 23:00)

Tuesday 3rd July 2007

Chair: Adrian Rennie.

09:00 Ultra low k Dielectrics for Microelectronics.

Jean-Paul Simon, SIMAP, (Science et Ingénierie des Matériaux et Procédés), France.

09:30 SAXS with micrometer-sized synchrotron radiation beams.

Christian Riekkel, ESRF.

10:00 SAXS studies of emergent properties in biomaterials.

Tim Wess, Cardiff University.

10:30 Coffee

Chair: Dave Taylor.

11:00 SAXS experiments within conventional XRD instrument.

Vladimir Kogan, DANNALAB & PANalytical BV, The Netherlands.

11:30 The joys of SAXS and other toys.

Wim Bras, ESRF

12:00 SAXS of Surfactant Meso-phases (including a general Q&A session to end the meeting).

Richard Morris, Morris Analytical X-ray.

12:30 Close and Lunch (Afternoon an optional tour of ESRF facilities).