



upgrade programme
information & discussion meeting
 Grenoble, 24 October 2007

session 4 - materials science and chemistry

Committee members: L. McCusker, ETH Zurich, (co-chair);
 H.F. Poulsen, Risø National Lab (co-chair); J.-Y. Buffière, INSA Lyon;
 M. Chergui, EPF Lausanne; B. David, ISIS; P. Ghigna, Università di Pavia;
 A. Molenbroek, H. Topsøe A/S

ESRF Liaison: A. Fitch

agenda

- 08.00 *Welcome Coffee in the marquee*
 Distribution of the meeting information pack
- 09.00 Plenary session
- 10:30 *Coffee Break in the marquee and move to parallel session in the ILL 4 building, amphitheatre*
- 11.00 **Introduction to the session**
Implications of the Upgrade Programme for materials science and chemistry.
- 11:10 - Time resolved diffraction (TRD): M. Wulff.
- 11:30 - X-ray absorption spectroscopy
 (EXAFS, EDXAS-S, ESXAS-L, XAS-XES): M. Newton.
- 11:50 - High energy diffraction (HIENE): V. Honkimäki
- 12:10 - Down to the nanoscale (MATSCI and POW): G. Vaughan.
- Lunch Break in the marquee*
- Structured discussions**
- 13.30 - Time resolved experiments (diffraction and spectroscopy): M. Chergui, A. Molenbroek.
- 13:50 - High energy experiments: H. Poulsen.
- 14:10 - Experiments on different length scales: W. David
- 14:30 - Materials engineering (EMS): J.-Y. Buffière
- 14:50 - Other topics of interest (e.g. detectors, computing, high pressure, simultaneous experiments, sample environments, laboratory facilities):
 L. McCusker
- 15:10 **Partnership models**
- 15:20 **What are the highlights of the upgrade for our community?**
- 15:40 **Closed session to write up the report for final presentation.**
- 16.00 *Coffee Break in the marquee, then move to the ESRF Auditorium*
- 17.00 Reports back from the parallel session Chairs (summarise sessions) concluding discussion and remarks.
- 18:30 *Aperitif in the marquee*
- 19:30 *Conference Dinner in the ESRF Restaurant*
- 22.00 Transport departs from the site entrance to train station and town centre