

Hard and Soft X-ray Tomography Workshop :: Agenda

ALS Users Meeting 5th October 2007 :: Room 6-1105

1:00 :: **Welcome and introduction to the workshop**
The organizers

ALS tomography facilities: Current status and future plans

1:05 :: **Hard X-ray tomography – Beamline 8.3.2**
Alastair MacDowell, ALS/LBNL

1:25 :: **Soft X-ray tomography – XM2**
Carolyn Larabell, UCSF & LBNL

Software

1:35 :: **Microscope control systems**
Christian Knoechel, LBNL

1:50 :: **Development of databases for the storage, tracking and retrieval of images and tomographic reconstructions**
Dula Parkinson, LBNL

2:05 :: **The RAPTOR software package**
The Horowitz group, Stanford

2:45 :: **Break**

Applications and results

3:00 :: **Opportunities and challenges in applying X-ray tomography to multi-phase systems in porous media**
Dorthe Wildenschild, Oregon State Univ.

3:45 :: **Transport and diffusion in geophysical systems based on X-ray microtomography**
Jeff Roberts, LLNL

4:20 :: **3-Dimensional chemical tomography using a STXM**
Adam Hitchcock, McMaster University

5:05 :: **Segmenting organelles in eukaryotic cells**
Dula Parkinson, LBNL

5:20 :: **Discussion**

5:30 :: **Close and tours of the ALS tomography facilities**