

## **Tomography Software Working Group Meeting**

6<sup>th</sup> February 2008

Room 6-2202, The Advanced Light Source, Berkeley

X-ray tomography is becoming well represented at the ALS, with rapidly growing community of users conducting experiments on hard- and soft x-ray microscopes. This work is computationally intense, and depends heavily on the availability of software packages that are capable of rapidly performing complex reconstructions and visualization on increasingly large data sets. The aim of this workshop is to bring the ALS groups together with external experts to discuss tomography software; what is available, specific needs that aren't met by existing software packages, etc. The other aim is to provoke lively discussion, and possible future collaboration. Consequently, this is intended to be a rather informal meeting with discussion being more important than adhering to a strict schedule. The times below are a rough guide, with speakers being asked to allow some time for questions.

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| 9:00  | X-ray imaging: Background<br>Christian Knoechel, NCXT/LBL      |
| 9:45  | Hard X-ray Tomography at the ALS<br>Eric Schaible, ALS/LBL     |
| 10:30 | Break  |
| 10:45 | Soft X-ray Tomography at the ALS<br>Dula Parkinson, NCXT/LBL   |
| 11:30 | Tomography at the ESRF<br>Pierre Bleuet, ESRF                  |
| 12:15 | Lunch  |
| 1:15  | Image reconstruction software<br>Chao Yang, LBL                |
| 2:00  | Visualizing tomography data using chimera<br>Tom Goddard, UCSF |
| 2:45  | Tea and general discussion                                     |