Workshop on Multi-Anvil Techniques

March 1-3, 2005.

All activities are at GSECARS, Sector 13 (Bldg 434A)
Advanced Photon Source (APS), Argonne National Laboratory,
See attached maps for directions.

Local contact:
Yanbin Wang, 630-252-0425 (office); 630-854-7628 (cell)

Tuesday, March 1, 2005, Bldg 434 Conference Room

8:00 AM. Breakfast at GSECARS, outside Conference Room

9:00 AM. Kurt Leinenweber. Welcome and introduction.

9:15 AM. Charles Lesher, Introduction to multi-anvil techniques.

10:30 AM. Coffee Break.

10:45 AM. Yanbin Wang. Introduction to combined multi-anvil and synchrotron radiation.

11:40 AM. Mark Rivers. Introduction to GSECARS facilities.

12:00. Lunch.

1:00 PM. Group Photo, APS Main Entrance.

1:15 PM. Tour of beam lines.

2:30 PM. Kurt Leinenweber. Description of the COMPRES assembly project and new advances.

3:30 PM. Coffee Break.

3:45 PM. Kevin Righter. Control of oxygen fugacity in high pressure experiments.

4:30 PM. Jennifer Kung. Ultrasonic measurements in the multi-anvil.

5:00 PM. Discussion.

5:30 PM. Reception: Bldg 401 5 fl Galleria (Sponsored by CARS).

6:30 PM. Dinner: Bldg 401 5 fl Galleria.

9:00 PM. Falling sphere experiment setup.

Wednesday, March 2, 2005. GSECARS

7:30 AM. Breakfast, Bldg 434, outside Conference Room.

8:00 AM. Beam time starts. Falling sphere experiments at Sector 13.

Breakout groups (3 locations):

Group A: Beam line operation. (Maximum: 6 at a time)

Group B: Cell assembly.

Group C: Data analysis.

Coffee break at 10:30 AM

12:00 PM. Lunch.

1:00 PM. Bismuth experiments at Sector 13.

Group A: Data analysis

Group B: Beam line operation

Group C: Cell assembly

Coffee break at 3:00 PM

5:00 PM: Summary

6:00 PM. Dinner: Bldg 401 5 fl Galleria.

8:30 PM. SiO_2 experiment set up

Thursday, March 3, 2005. GSECARS

7:30 AM. Breakfast, Bldg 434, outside Conference Room.

8:00 AM. SiO_2 transition experiments.

Breakout groups (3 locations):

Group A: Cell assembly

Group B: Data analysis.

Group C: Beam line operation.

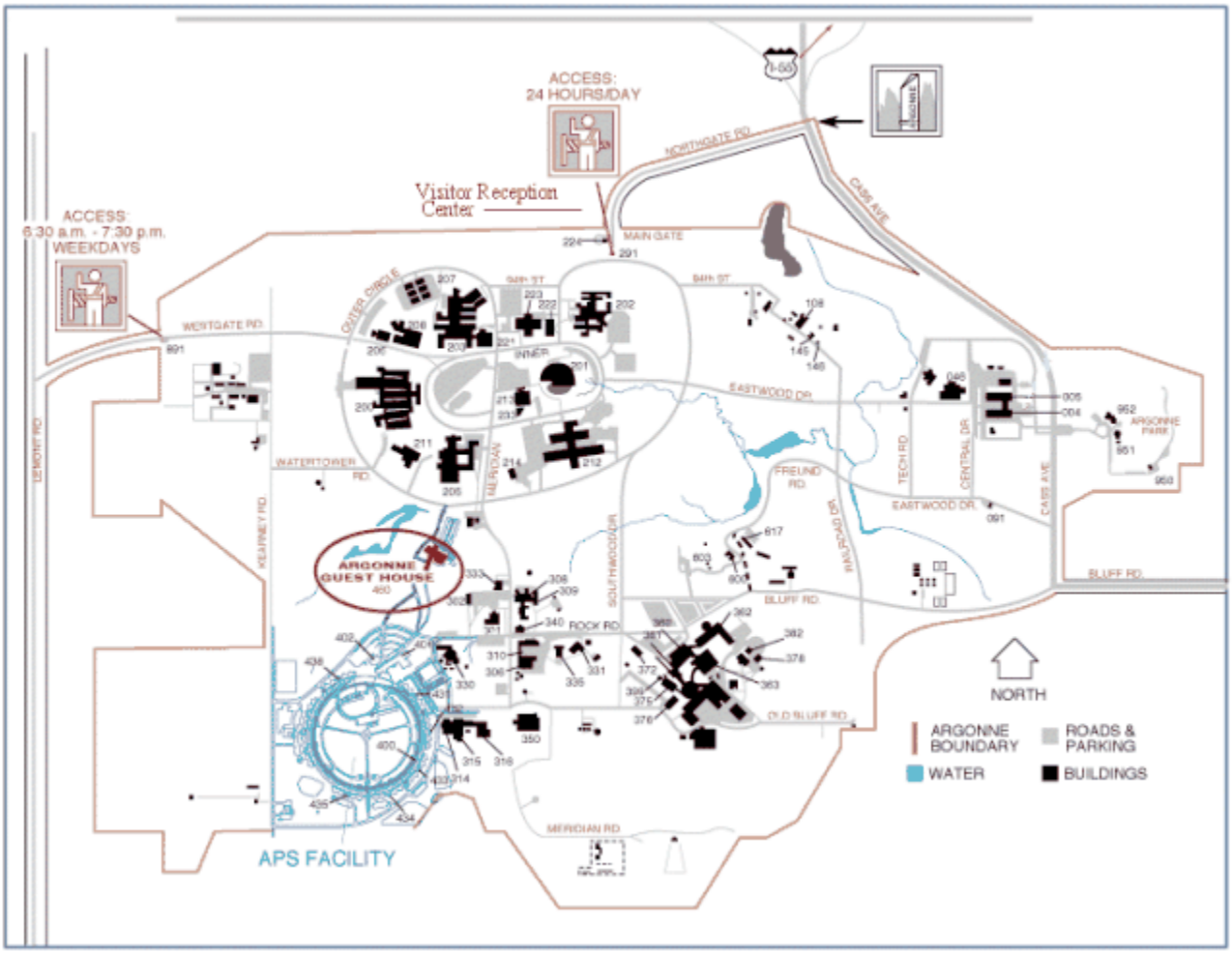
Coffee break at 10:30 AM

12:00 PM. Lunch.

1:00 PM. Group data summary, informal presentations of results.

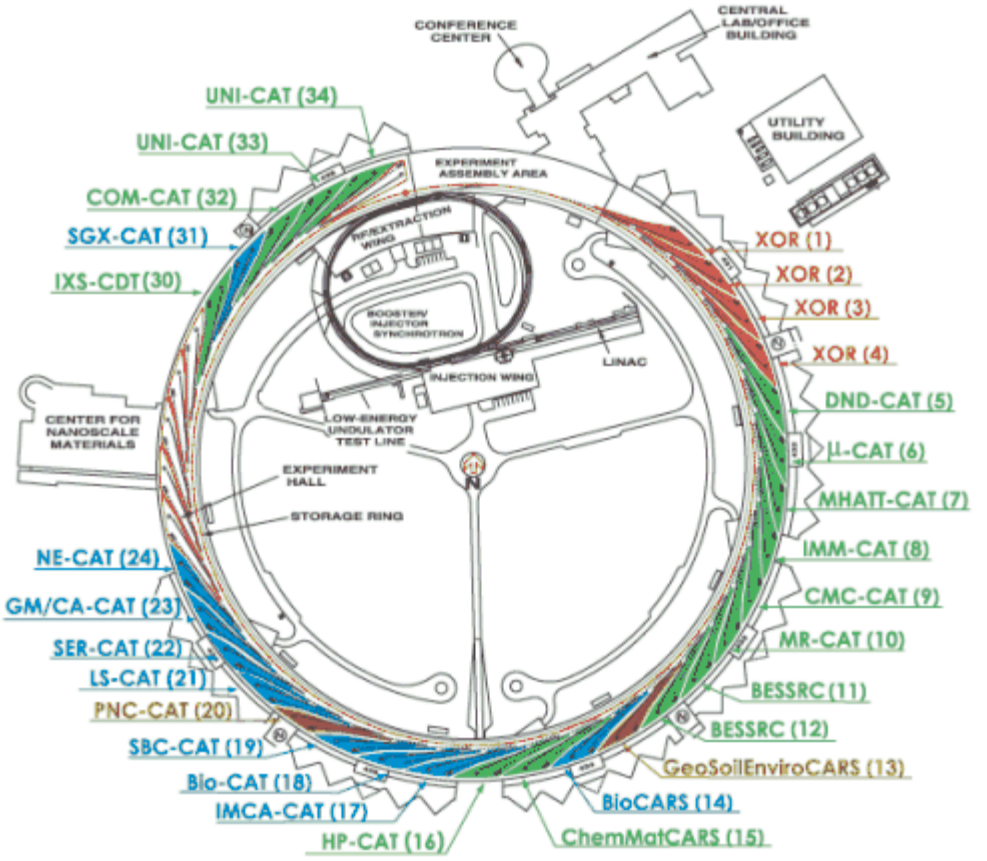
3:00 PM. Workshop officially ends.

3:01 PM. (Kurt would like to continue experiments at the beam line until Friday morning. Workshop participants are welcome to stay on, but a maximum of 7 at the beamline has to be maintained).



ADVANCED PHOTON SOURCE

Sector Allocations & Disciplines



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INSTRUMENTATION

NOT TO SCALE