

## User Requirements

- Experimental Safety Approval Form \*
- Sector 16 Orientation \*

## Visitor Safety

- Visitors who have not had APS User Orientation must be escorted whenever they are in hazardous areas such as radiologically controlled areas or chemical laboratories.
- All visitors must wear their ID badge or visitor pass at all times.

## Hazardous Materials

- Under no circumstances may you transport a nonexempt hazardous material to the APS in your own vehicle. To have a hazardous material shipped to HPCAT, first inform HPCAT staff of the shipment and address package to:

Freda Humble  
HPCAT, APS Sector-16  
C/o Building 46, HazMat Receiving  
9700 South Cass Avenue  
Argonne, IL, 60439

- Please contact your Safety Office for assistance with proper shipping methods.
- **Dry Shippers, not containing hazardous materials** can be transported to and from the APS.

\* **Required for all experiments**

## Local Phone Numbers

HPCAT Office	630-252-0479
HPCAT Fax	630-252-0496
Beamline ID-B	630-252-1716
ID-D	630-252-1816
BMB&D	630-252-1916
Electronics Lab	630-252-0412
Laser Lab, E020	630-252-0415
Sample Lab E030	630-252-0412
APS User Office	630-252-9090
APS User Office Fax	630-252-9250
434 Floor Coordinator	2-0401
	pager: 4-0401

## Storage Ring Status

<http://www.aps.anl.gov/asd/operations/gifplots/statgif.html>

## APS Long Range Schedule

<http://www.aps.anl.gov/Facility/Schedule/index.html>

## ANL Guest House

- Web site: <http://www.anlgh.org/>
- E-mail: [argonne-guest-house@anl.gov](mailto:argonne-guest-house@anl.gov)
- Reservations: 1-800-632-8990 or 630-739-6000, Fax: 630-739-1000

Mention that you are an HPCAT user to receive the preferred rate.

## HPCAT

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## Publication Acknowledgement:

[www.hpcat.gl.carnegiescience.edu/publications/acknowledgment](http://www.hpcat.gl.carnegiescience.edu/publications/acknowledgment)

## Web site

[www.hpcat.gl.carnegiescience.edu](http://www.hpcat.gl.carnegiescience.edu)

# HPCAT-USER INFORMATION

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ADVANCED  
PHOTON SOURCE

ARGONNE  
NATIONAL  
LABORATORY

SECTOR 16

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## SAFETY AT HPCAT

The HPCAT staff members and users of HPCAT facilities at the APS are individually responsible for both their own safety and that of colleagues affected by their actions.

### Safety Personnel

#### Safety Officer

Curtis Kenney-Benson  
630-252-0495  
[ckbenson@ciw.edu](mailto:ckbenson@ciw.edu)

#### Laser Safety

Yue Meng  
630-252-0483  
[ymeng@ciw.edu](mailto:ymeng@ciw.edu)

#### Electrical Cryogenics & Vacuum Safety

Eric Rod  
630-252-0412  
[erod@ciw.edu](mailto:erod@ciw.edu)

#### Crane Safety

Eric Rod  
630-252-0412  
[erod@ciw.edu](mailto:erod@ciw.edu)

#### Chemical Safety

Curtis Kenney-Benson  
630-252-0495  
[ckbenson@ciw.edu](mailto:ckbenson@ciw.edu)

#### Building 434 Floor Coordinators

Patti Pederghana	phone : 2-0401
	pager : 4-0401
Shift Floor Coord. on duty	phone : 2-0101
	pager : 4-0101

### Location of Safety Documentation

- HPCAT Safety Plan - HPCAT LOM
- MSDS Sheets - Outside Sample Lab door
- ESAF $\phi$  . Hutch Doors

**IN ANY EMERGENCY  
CALL 911**

### Location of Safety Equipment

- Fire Extinguisher: Base of aisle column 112
- Shower/Eye Wash: Sample Lab, E030
- Safety Glasses/Gloves: Sample Prep Area

### Site Alarms

- **Loud Steady Ringing of Fire Alarm Bells:** Immediately leave the building, exit outside.
- **Tornado or Severe Weather Siren:** Go to the tornado shelter immediately. (Restrooms or Machine Shop if open)
- **Steady Tone & Special Notification:** Follow loudspeaker instructions.

### Sample Lab, E030

(contact . see chemical safety)

- Beryllium use only under the hood by qualified personnel.
- No food or drinks allowed in the lab.
- Must have MSDS sheets for all chemicals
- Be aware of Hazardous Waste Procedures.
- Use sharps container and gloves.
- Safety Glasses required in curtained area.

### Beamline Safety

#### APS Shielding Configuration Policy

Do not disturb, remove or modify any orange or yellow tagged components for *any* reason.

### Radiation Safety

Radiation badges are no longer required for users but are available upon request.

### Electrical Safety

Sector 16 circuit breakers are located along the main aisle. Hutch and laser disconnects are located outside each hutch. To be operated in case of emergency only. Contact staff immediately.

### Water Manifolds

Water flow problems will trip the Equipment Protection System (EPS). Contact a staff member immediately. Main water shutoff valves are located on exterior downstream wall of 16ID-E.

### Liquid Nitrogen (LN<sub>2</sub>)

HPCAT staff will fill large LN<sub>2</sub> dewar . Users can obtain small amounts of LN<sub>2</sub> from a 230 dewar located on sector 16 experimental floor.

### Ladders

When using a ladder, *do not* go above the recommended step or above 6 feet without proper harnessing.

### Personnel Safety System (PSS)

- Call an HPCAT staff member or the APS Floor Coordinator for any PSS related problems.
- **ONLY ONE PERSON AT A TIME** may operate the PSS systems. The user taking responsibility for a search and secure of the station must follow all steps to completion.

### General Housekeeping

- Only drinks are allowed on the APS Experimental Floor - no food is allowed.
- No food or drinks in any hutch or lab
- Keep the stations and control rooms tidy and the egress aisles clear.
- Sample preparation must be cleared and cleaned by users before departure.