

# APS/Users Operations Monthly Meeting

J. Murray Gibson  
December 16, 2009

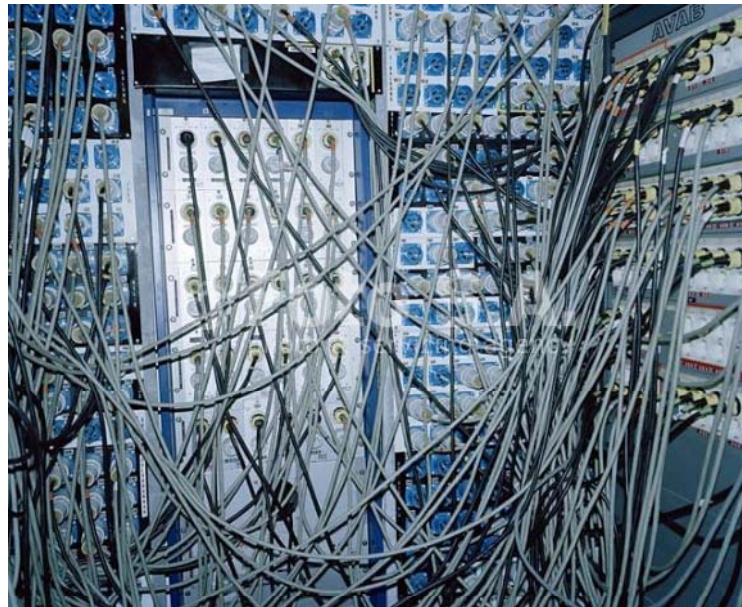
# Agenda

- 2:30 p.m. Refreshments
- 2:45 p.m. APS Update – Murray Gibson
- 3:05 p.m. Superconducting Undulator Development Status – Yury Ivanyushenkov
- 3:25 p.m. AMO Adventures at the LCLS – Bertold Kräessig
- 3:45 p.m. Adjourn



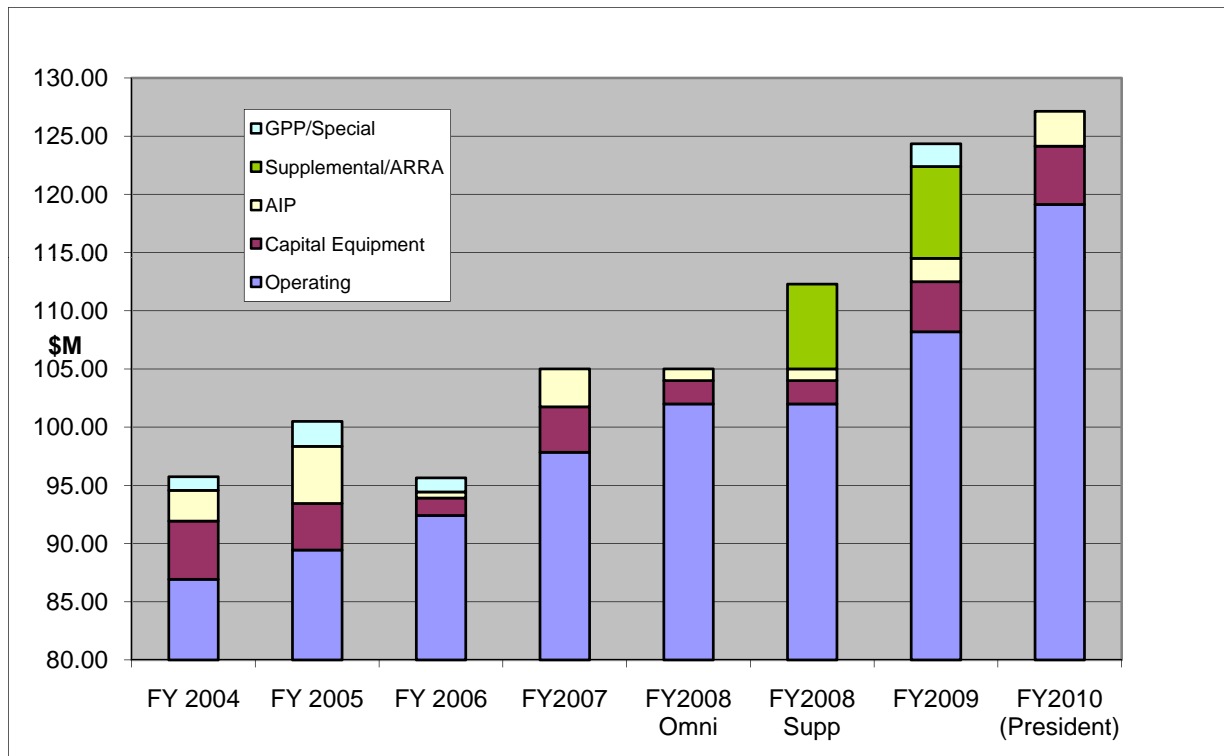
# Don't cut cables if you don't know what they are!

Argonne has had a recent spate serious incidents that reflect poor work planning and control.



# APS Ops Budget update

- As of November we have received \$118M



- Negotiating with DOE on combination of APS-U CDR/R&D and APS ops for 2010

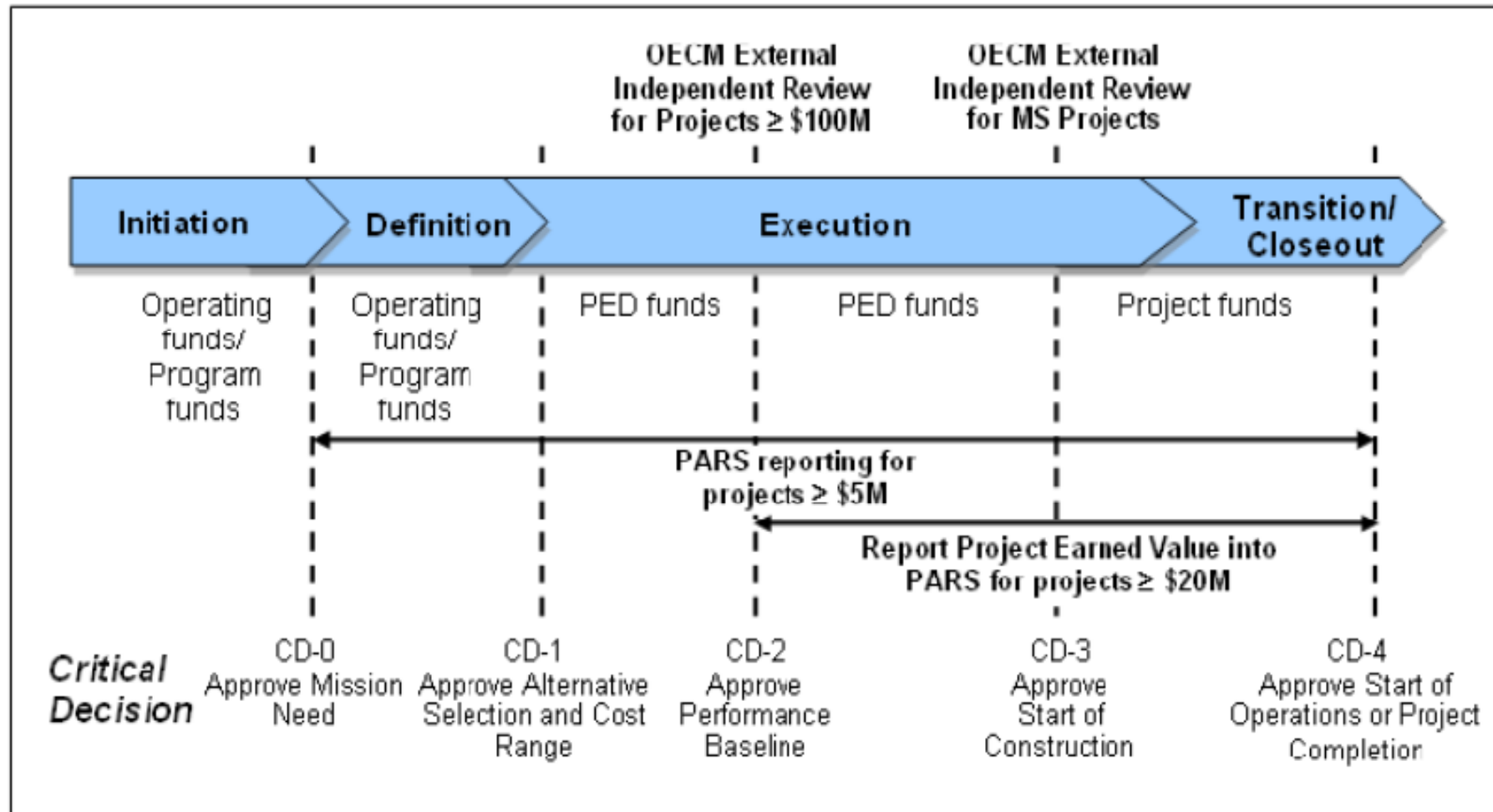


# APS Upgrade

- Project getting into gear to move forward with Conceptual Design Report
  - Continuing to work with headquarters on the Mission Need Statement for CD-0
    - Meeting with DEO HQ Dec 11<sup>th</sup> to “red team” Mission Need Statement went well
  - Expectation has been to complete CD-0 by first quarter Calendar 2010
    - Important to include APS Upgrade in DOE Office of Science strategic planning beginning January 2010  
-> this coincides with the 2012 budget
  - Have identified funding milestones for project
    - Need to get CD-1 ~ end of calendar 2010
    - Project funds (long-lead procurements) planned to begin in FY 2012
  
- Preparing a “strawman” list of beamline upgrades/locations for discussion with community
  - Project team (Dean, Mohan) working with Upgrade Steering Committee (chair Denny Mills)
    - Aim to release something by the end of the calendar year
  - Aim to present to SAC in January 2010
  - A useful template that will allow us to start more detailed planning on the “flagship” beamlines whose location/configuration is clearcut



# Funding Types, Timelines and Schedule Goals



**Figure 1. Typical DOE Acquisition Management System for Line Item Projects.**



# Upcoming Meetings and Conferences



august 15-20 • chicago, illinois

# xraymicroscopy2010

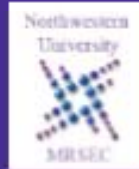


The 16<sup>th</sup> Pan-American Synchrotron Radiation Instrumentation Conference  
September 20-24, 2010 • Argonne National Laboratory, USA

Go to "Insert (View) | Header and Footer" to add your organization, sponsor, meeting name here; then, click "Apply to All"



# Upcoming Meetings and Conferences



## The Eleventh International Conference on Surface X-ray and Neutron Scattering

**July 13 - 17, 2010**

**Northwestern University, Evanston, IL**

**On Lake Michigan, 10 Miles North of Downtown Chicago**



**2010 Annual Meeting  
July 24-29, 2010**

Go to "Insert (View) | Header and Footer" to add your organization, sponsor, meeting name here; then, click "Apply to All"





# Upcoming Meetings and Conferences



**Workshop on the Role of Synchrotron Radiation  
in Solving Scientific Challenges in Advanced  
Nuclear Energy Systems**  
27 to 28 January 2010  
at Argonne's Advanced Photon Source

## **Technical Program and Themes**

### **Keynote Speakers**

Gerry Lander (ITU, retired) – Probing Condensed Matter  
Steve Zinkle (ORNL) – Radiation Damage in Fuels and Structural Materials  
Mark Antonio (ANL/CSE) - Solutions and Separations Studies

### • Contact

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Jim Stubbins ([jstubbins@illinois.edu](mailto:jstubbins@illinois.edu))

## **SMALL-ANGLE SCATTERING SHORT COURSE 2010**

### **“BEYOND $R_G$ ”**

**MARCH 27-31, 2010**

**ADVANCED PHOTON SOURCE, ARGONNE NATIONAL LABORATORY**

<http://small-angle.aps.anl.gov>

### **SPEAKERS**

Dale Schaefer (University of Cincinnati)  
David Tiede (Argonne)  
Randall E. Winans (Argonne)  
Byeongdu Lee (Argonne)  
Jan Ilavsky (Argonne)  
Peter R. Jemian (Argonne)

### **PARTICIPATING BEAMLINES**

Bonse-Hart Ultra-SAXS: 32-ID (XOR, <http://usaxs.xor.aps.anl.gov>)  
Pinhole SAXS: 5-ID (DND-CAT, <http://www.dnd.aps.anl.gov/>)  
12-ID (XOR/BESSRC, <http://cep.xor.aps.anl.gov/>)  
18-ID (Bio-CAT, <http://www.bio.aps.anl.gov/>)

Details on the beamlines: [http://small-angle.aps.anl.gov/aps\\_beam\\_lines.html](http://small-angle.aps.anl.gov/aps_beam_lines.html)

### **EXPERIMENTAL TECHNIQUES**

Ultra-SAXS (32-ID), Materials science SAXS, Bio-SAXS



Go to "Insert (View) | Header and Footer" to add your organization, sponsor, meeting name here; then, click "Apply to All"

## Other announcements

- SAC meeting in January will hold a “cross-cut” review on Protein Crystallography, and a strategic planning discussion on vision for “APS upgrade” biology
- Workshop on "Next generation x-ray science above 10 keV" to be co-chaired by Uwe Bergmann (SLAC) and Gopal Shenoy (ANL/XSD) – held at ANL summer 2010
- Walter Lowe appointed as Science Advisor to the Photon Sciences Directorate, responsible for User Community Outreach and Development



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