



... for a brighter future

APS/Users Operations Monthly Meeting

J. Murray Gibson

May 20, 2009



U.S. Department
of Energy

UChicago ►
Argonne_{LLC}



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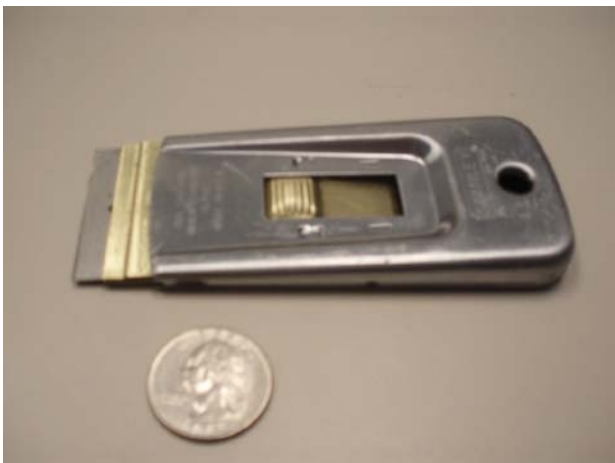


Agenda

- 2:30 p.m. Refreshments
- 2:45 p.m. APS Update – Murray Gibson
- 3:05 p.m. Plans for the Low-Vibration Facility for Magnetic Scanning Probe Microscopy at the CNM – Derrick Mancini
- 3:25 p.m. Turbocharging XPCS at 8-ID: Focusing, FPGAs and Fast Computing – Alec Sandy
- 3:45 p.m. Adjourn



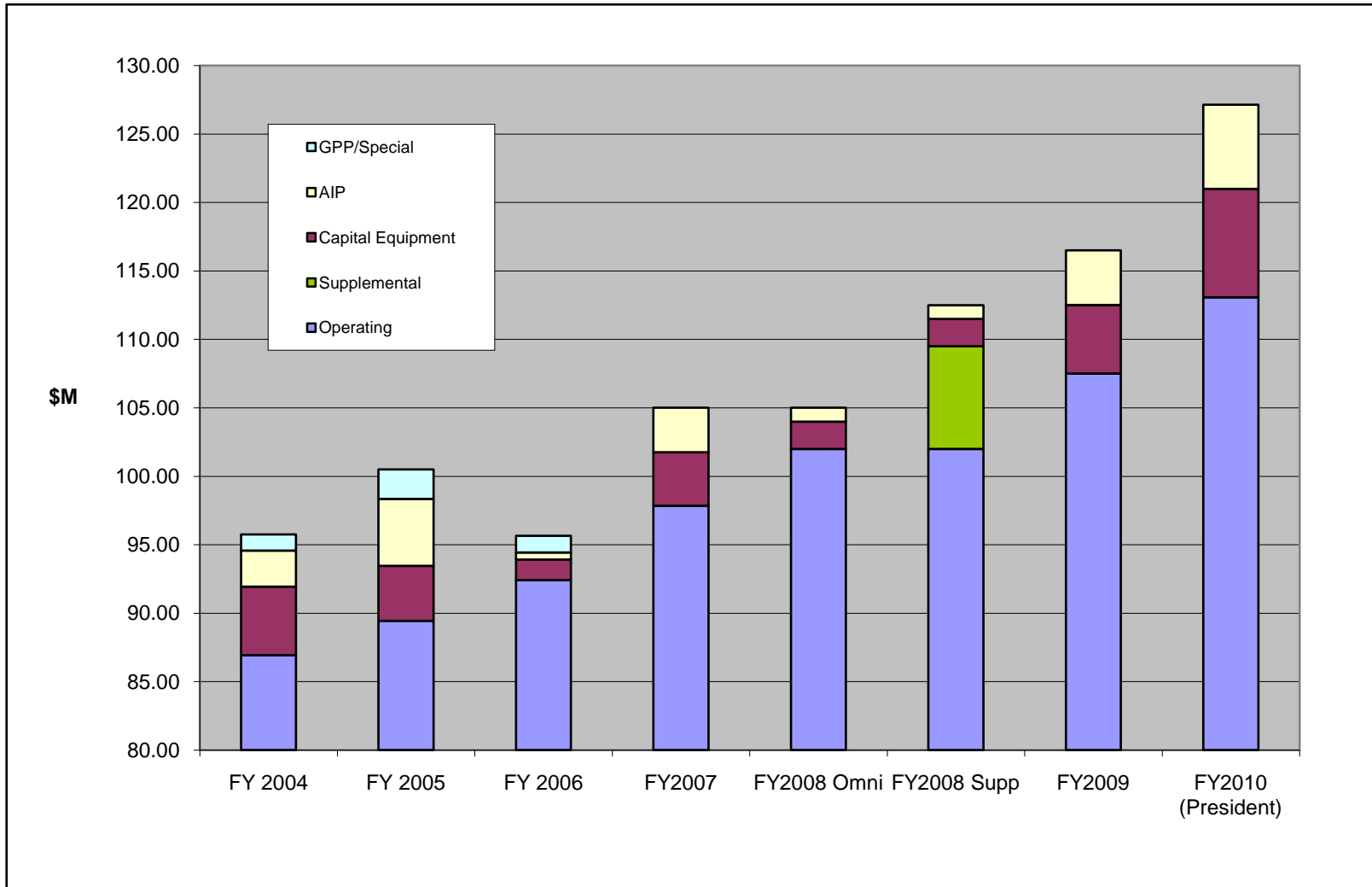
Different Tools; Different Hazards



ISO 9000 Certification

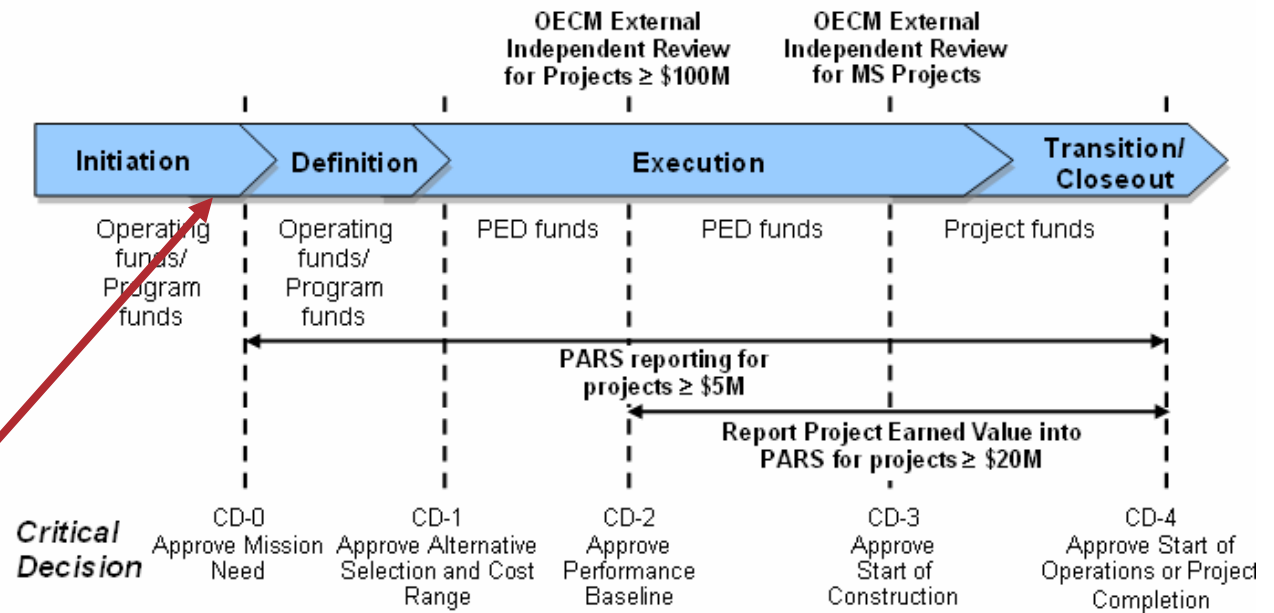


Budget News Is Very Good



Advocacy is needed for 2010 budget

Renewal Moving Forward



We are here

- CD-0 Approve Mission Need
- CD-1 Approve Alternative Selection & Cost Range
- CD-2 Approve Performance Baseline
- CD-3 Approve Start of Construction
- CD-4 Approve Start of Ops/Project Completion

ANL Open House – August 29, 2009

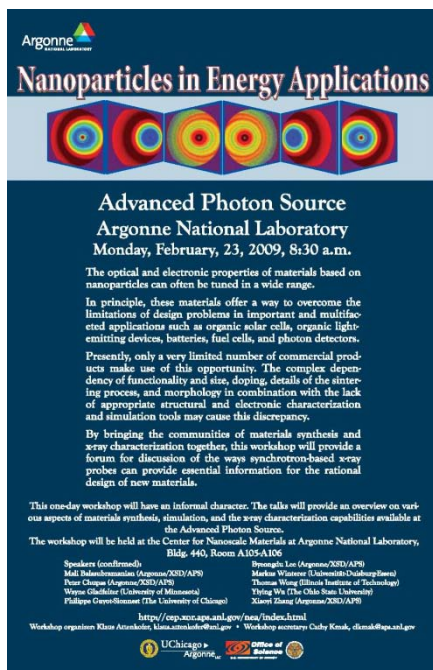
We are looking for ideas for exhibits/displays that will show the public the work we do here. This is a great opportunity to show off what we do to our friends, neighbors and taxpayers. The last open house attracted about 20,000 people and a similar turnout is expected this time.

Please send suggestions to John Maclean (AES) jfm@aps.anl.gov



Pacesetter: Cathleen Kmak (XSD-CMS)

Provided essential input for the organization of the Nanoparticles in Energy Applications Workshop. She was responsible for the travel arrangements of speakers, advertising the workshop, including workshop flyer, homepage and the usage of the various Argonne information systems, coordination with the local building manager, and finally the point of contact for all participants. Her professional and extreme efficient organization talents were the key elements for this very successful meeting.



The flyer features the Argonne National Laboratory logo at the top left. The title "Nanoparticles in Energy Applications" is prominently displayed in a stylized font. Below the title is a graphic of six circular diagrams, each showing a different color pattern representing energy or material properties. The text on the flyer provides details about the workshop, including the date and time, the location at Argonne National Laboratory, and a list of speakers from various institutions. It also includes a URL for more information and logos for the organizing institutions: Argonne National Laboratory, the University of Chicago, and the University of Minnesota.

Argonne
NATIONAL LABORATORY

Nanoparticles in Energy Applications

Advanced Photon Source
Argonne National Laboratory
Monday, February, 23, 2009, 8:30 a.m.

The optical and electronic properties of materials based on nanoparticles can often be tuned in a wide range.

In principle, these materials offer a way to overcome the limitations of design problems in important and multifaceted applications such as organic solar cells, organic light-emitting devices, batteries, fuel cells, and photon detectors. Presently, only a very limited number of commercial products make use of this opportunity. The complex dependency of functionality and size, doping, details of the sintering process, and morphology in combination with the lack of appropriate structural and electronic characterization and simulation tools may cause this discrepancy.

By bringing the communities of materials synthesis and x-ray characterization together, this workshop will provide a forum for discussion of the ways synchrotron-based x-ray probes can provide essential information for the rational design of new materials.

This one-day workshop will have an informal character. The talks will provide an overview on various aspects of materials synthesis, simulation, and the x-ray characterization capabilities available at the Advanced Photon Source.

The workshop will be held at the Center for Nanoscale Materials at Argonne National Laboratory, Bldg. 440, Room A105-A106

Speakers (confirmed):
Mali Balasubramanian (Argonne/XSD/APS)
Yuan-Chang Jeng (XSD/APS)
Wayne Cleland (University of Minnesota)
Phillippe Gevelsonnet (The University of Chicago)

Invited speakers:
Borenstein Lee (Argonne/XSD/APS)
Markus Walterer (Ulm University/Deutscher Raum)
Thomas Wang (Illinois Institute of Technology)
Ying Wu (The Ohio State University)
Xiaoyi Zhang (Argonne/XSD/APS)

<https://exp.aps.anl.gov/nea/index.html>
Workshop organizer: Kathi Arzoo, katz@anl.gov • Workshop secretary: Cathy Kmak, ckmak@aps.anl.gov

Argonne NATIONAL LABORATORY
University of Chicago
University of Minnesota



Pacesetter: Diane Wilkinson (ASD)



Diane's professional and efficient organizational skills were instrumental in coordinating the logistics of ten teams working on the APS renewal plan and in the success of the APS Renewal Workshop held last October. This involved a significant time commitment over the past year and working with numerous individuals both within and outside of Argonne.



Distinguished Fellow (710): Efim Gluskin



Other Current PSC Distinguished Fellows:
Kwang-Je Kim and Gopal Shenoy

*Emeritus Fellows:
Lee Teng and Jack Carpenter*

Michel van Veenendaal (XSD) wins 2009 NIU Presidential Research Professorship





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