

**Minutes of the Joint APSUO Steering Committee
and Partner User Council Meeting
Argonne National Laboratory
January 19, 2009**

APSUO Steering Committee members in attendance: P. Eng, N. Campobasso, P. Evans, P. Fuoss, N. Leyarovska, L. Lurio, A. Mulichak, D. Tiede, L. Young

Partner User Council members or alternates in attendance: R. Fischetti, R. Gordon, D. Keane, T. Irving, Jörg Naser, M. Rivers, G. Shen, S. Wasserman,

APS Attendees: M. Beno, R. Gerig, J. M. Gibson, D. Mills, B. Ruzicka, S. Strasser

APS Update—M. Gibson

Note: The details of Gibson's update are contained in his presentation, found at http://www.aps.anl.gov/About/Committees/APS_Users_Organization/Meetings/2009/APSUO-PUC_Intro_Jan2009.pdf

Highlights follow:

Scientific Advisory Committee (SAC): Gibson reviewed the agenda for the January 2009 SAC meeting and asked APSUO and PUC members to send him suggestions for individuals to replace five retiring SAC members.

APS Performance in 2008: In 2008, with 58 operating beamlines (at the end of FY2008), the APS continued its steady increase in the number of refereed publications per year, Protein Databank deposits per year, and selected high-profile publications. Although the number of unique users dropped just slightly due to budget induced limitations on facility operating hours (from 3412 in FY2007 to 33229 in FY2008), the increase in number of off-site uses sending in samples for analysis increased, causing the total number of users for the year to increase from 3552 in FY 2007 to 3608 in FY2008—the 13th straight year that APS user numbers have increased. Accelerator performance remains high, with availability for the year at 97.6% and a mean time between faults of 91.4 hours

Budget: Gibson reviewed the status of the FY2009 budget, indicating cautious optimism for full funding. However, the bottoms-up budget exercise conducted during Fall 2008 has enabled planning for less-positive scenarios.

Personnel: Searches are in progress for an X-ray Science Division Director, a Life Sciences Director, and an Accelerator Systems Division Director.

Industrial Use of the APS: It appears that the new administration will be supporting investment in industry, with additional dollars going into applied research. Currently, approximately 17% of APS users are from industry. The National User Facilities Organization is sponsoring a workshop in June at Argonne to address the issue of industrial research at national user facilities. During discussion, it was mentioned that SPring-8 has a separate division to handle industrial users; APS users need to make the point in Washington that more facility staff are needed to facilitate industrial research.

Proprietary Research Funding: From now on, the APS will be using a formula that includes the APS operations budget (the total APS budget less R&D funding), the actual number of operating beamlines at the end of the fiscal year, and the actual number of operating hours each year. The actual FY08 per hour proprietary rate was \$346.20; the estimated rate for FY09 is \$358.59. FY09 will be the first year the APS uses the actual number of beamlines in operation. During discussion, R. Fischetti, representing the Life Science Council, suggested that the operational costs of XOR beamlines be removed from the operations budget in the formula since CAT beamline operational costs are not included. Alternatively, the APS could provide a rebate to CAT beamlines that support proprietary research.

General User Program (GUP): A standing advisory committee, reporting to Deputy APS Director Dennis Mills, has been established. Its members include Bruce Bunker, Keith Brister, Jonathan Lang, Robert Leheny, Steve Sutton, Jon Tischler, Paul Zschack, and Susan Strasser and Meg Vigliocco-Hagen (both ex-officio). Recommendations and suggestions for improvements to the GUP can be brought to the attention of any advisory committee member for consideration.

User Agreements: New standard master user agreements, which cover liability, financial considerations, and intellectual property, have been created by the Department of Energy. Argonne's master agreements will cover research by all investigators from a single institution at all Argonne user facilities, which will benefit users of multiple facilities, such as the APS and Center for Nanoscale Materials, and/or the Electron Microscopy Center. Current agreements will stay in force until the master agreement for each institution has been established.

APS Renewal and Beyond: Gibson summarized the work to date, indicating that the white paper resulting from the October Renewal Workshop identified two key themes: (1) mastering hierarchical structures through x-ray imaging and (2) real materials in real conditions in real time. Next steps involve presentations to the Scientific Advisory Committee, formulation of a more-detailed draft plan/proposal to discuss with users at the May 2009 Users Meeting, and preparation of a proposal to DOE leading to CD-0.

Update on the APS Renewal—D. Mills

Note: The details of Mill's update are contained in his presentation, found at http://www.aps.anl.gov/About/Committees/APS_Users_Organization/Meetings/2009/APSUO-PUC_Renewal-Update_jan2009.pdf. Highlights follow:

Mills briefly reviewed the status of the Renewal effort today, indicating that 56 scientists served on the science teams (these individuals represented 28 different institutions, covering universities, industry, DOE facilities, and other government laboratories). The science cases were discussed during the October Renewal workshop, and these cases, these discussions, and a meeting with a subset of the Scientific Advisory Committee led to the development of two major themes: *Mastering Hierarchical Structures through X-ray Imaging* and *Real Materials in Real Conditions in Real Time*. These themes were the basis for a white paper submitted to the DOE in November 2008. The next major event was an instrumentation open forum, held on January 9. Summaries of the October

workshop, science cases, and instrumentation forum will be discussed with the Scientific Advisory Committee at the January 20-22, 2009, meeting.

Mills presentation was followed by considerable discussion. Among the topics discussed was a need to include detectors in any Renewal proposal, the need to coordinate an accelerator upgrade with the proposal, and a need to be aware of longer-term plans in coordination with the other three DOE/BES light sources.

Following discussion, the joint meeting was adjourned and individual meetings of the APS Users Organization Steering Committee and Partner User Council began.

**Minutes of the Partner User Council Executive Session
Argonne National Laboratory
January 19, 2009; 1:00–1:30 p.m.**

Partner User Council members or alternates in attendance: R. Fischetti, R. Gordon, D. Keane, T. Irving, Jörg Naser, M. Rivers, G. Shen, S. Wasserman,

APS Attendees: R. Reed

Routine Business: Minutes of the September 17, 2009, Partner User Council Executive Board meeting were approved as written.

New Business: Bruce Bunker agreed to serve as the Chair of the Nominating Committee for the next PUC Chair.

The meeting was adjourned at 1:30 p.m.