

Minutes of the Synchrotron Subcommittee
March 25, 2009
Peter Lee, Chairman

(1) The session was opened with the appointment of R. Harlow as secretary, and with a review of the 2008 minutes to which there were no objections.

(2) John Faber, Liaison from the Board of Directors commented that the Board acted on the recommendation regarding the automated powder pattern submission and verification program. Although the program is now available, no sample data has been submitted to test the program. Brian Toby claimed that he had submitted data for LaB6. There apparently was a breakdown in communication at the ICDD and Brian's data will now be used in the near future to test the program.

ICDD Staff response: ICDD has contacted Brian Toby soon after his submission (August 2008) and indicated that the pattern would appear in the release 2009. The PDF# is 00-59-0332.

(3) Peter Lee gave a short presentation entitled "Synchrotron Powder Facilities Update":

(a) Cristal at Soleil (France) is being constructed for diffraction work and powder diffraction is one of the techniques included.

(b) Diamond (UK) has built a five-bank, high-resolution analyzer/detector system with 9 channels in each bank.

(c) A new stripe detector powder diffractometer is now running at the Australian Synchrotron.

(4) Brian Toby gave a short presentation on the high-resolution 12-analyzer/detector system at 11-BM (APS). A rapid access mail-in service for easy submission of samples and fast turn around is now in place. A robot is now being used to automatically change samples. For non-proprietary work, the proposal form is short, the use of the instrument is free, and rapid access can be accommodated.

(5) As high-resolution synchrotron patterns are becoming more readily available, especially since the advent of mail-in services, it is recommended that the grants-in-aid be informed of their availability and aggressively encouraged to use the services for complicated patterns or patterns which could suffer from preferred orientation or other deleterious effects. The ICDD is also encouraged to keep contacting authors of publications with synchrotron data in order to get more high-resolution patterns into the database.

(6) With no other business being raised, the meeting was adjourned --- R. Harlow, Secretary, March 25, 2009.