

Synchrotron & Neutron Scattering Methods Subcommittee
International Centre for Diffraction Data
Minutes of the Meeting of March 21, 2012

Attendance: List of attendees has been generated separately.

1. Call to Order by Dr. Matthew Suchomel at 3:00 pm
The BoD Liaison officer is Dr. John Faber.

2. Appointed Minutes secretary: Robert Papoular

3. The Minutes of the previous 2011 spring meeting are approved.

Short discussion of action over previous year on 2011 motions.

[1] GiA (Grant-in-Aid) recipients have been informed about available mail-in synchrotron powder resources to complement their lab X-ray measurements.

[2] Diane Sagnella made great progress on web-based powder data submission software, example to follow later in meeting

4. Matthew Suchomel reported updates from Synchrotron and Neutron scattering user facilities. Some highlight include:

[1] Looming dark period during transition from NSLS ->NSLS 2

[2] APS will keep two dedicated powder XRD instruments

[3] SNS / ORNL powder beamline has started a mail-in program.

[4] Joint neutrons [SNS] / X-ray [APS] complementary program started

[UK, Diamond] I-11 HRPD beamline offering Mail-In Rapid Access

SINQ [Swiss neutrons] + SLS [Swiss Synchrotron] have now joint Powder Diffraction proposals.

5. Live demonstration of the new ICDD Web Submission Page by Diane Sagnella Subcommittee members will be asked to help test before going "live"

6 Discussion of how to give incentives for potential submitters of Powder Diffraction patterns to the ICDD PDF entries.

* The GiA submitter has already a USD incentive

* Idea proposed to give volunteer submission a short citation with DOI, results in the motion below.

MOTION #1) The Synchrotron & Neutron Scattering Subcommittee recommends to the TC that short citations in the journal Powder Diffraction be considered for new voluntary contributions reviewed & accepted into the ICDD database. This will provide relatively inexpensive but valued motivation for the powder community to submit information on timely and high quality database entries using the ICDD's newly developed online submission software.

The motioned was moved by John Faber, seconded by Carlo Segre
Vote results Yes: 7 - No: 0 - Abstain: 1

7. Discussion of how Neutron Powder Diffraction Data can be included (or play an expanded role) in the PDF databases and search-match routines. Resulted in the motion below:

MOTION#2) The Synchrotron & Neutron Scattering Subcommittee recommends to the TC that neutron powder diffraction data be added to the database and be included in search-match routines. Simulated patterns could be generated from existing structure files with atomic coordinates that are already in the database.

Vanessa Peterson moved the associated motion, and was seconded by Matthew Suchomel.

Voting results: Yes: 6 - No: 0 - Abstain: 0

A motion is made to close session. Motion seconded and passed.

Respectfully submitted by Robert Papoular on April 3rd, 2012