

**Synchrotron & Neutron Scattering Methods Subcommittee**  
**Wednesday, 13 March 2019**  
**International Centre Headquarters**  
**Conference Room D**  
**3:00 p.m. – 4:00 p.m.**  
**R. Papoular, Chairperson**

1. Call to Order *R. Papoular*
2. Appointment of Minutes Secretary *D. DelCasale*
3. Approval of Minutes from March 2018
4. Review of Mission Statement

The Synchrotron & Neutron Scattering Methods Subcommittee of the International Centre for Diffraction Data (ICDD) will connect the ICDD's Technical Committee with the international synchrotron and neutron scattering community. It will educate ICDD members about advances within the community, and help identify new opportunities to enhance ICDD databases. The subcommittee will provide recommendations to address unique aspects associated with these experimental methods, and will assist the technical staff of the ICDD to integrate information obtained at synchrotron and neutron scattering facilities into the ICDD databases.

5. Board of Directors' Liaison Report *V. Peterson*

2018 motion-Committees of the Board:

The Synchrotron and Neutron Scattering Methods Subcommittee recommends to the Board of Directors that: Clarification and requirements of information are needed for submission of TOF data.  
Scott Misture, moved the motion. John Faber second, 5 Yes, 0 No, 0 Abstain

The Synchrotron and Neutron Scattering Methods Subcommittee recommends to the Board of Directors that: Headquarters explore the flagging of elements that pose issues for neutron simulation and known magnetic structure.  
John Faber, moved the motion. R. Papoular second, 5 yes, 0 No, 0 Abstain

The Synchrotron and Neutron Scattering Methods Subcommittee recommends to the Board of Directors that: Pair Distribution Function be generated from the PDF.  
John Faber, moved the motion, Scott Misture second, 4 yes, 0 No, 1 Abstain

6. TOF Developments in PDF-4 *S. Kabekkodu/Diane Sagnella*  
Specific format needs to be determined on what exactly is needed for TOF data. Diane has been working with Genie in processing data but will need additional information on what is required.

7. ICDD requests TOF data files *J. Blanton*  
Discussion and questions about how to submit TOF data to ICDD. Should there be guidelines in order to submit TOF data? Genie is not suitable for this type of submission. See motion below:

**Motion:** The Synchrotron and Neutron Scattering Methods Subcommittee recommends to the Technical Committee that a task group be assembled to meet in the fall to discuss the issue of TOF (time of flight) data and how it can be properly incorporated in the PDF database.  
A Payzant-moved the motion, V. Peterson-second the motion, All -Yes

8. User Facility News-update *R. Papoular*

ORNL-Oak Ridge National Laboratory

- **POWGEN**-Partnership with beam line 11BM at the Advanced Photon Source where users can get X-ray data if they have an approved proposal at POWGEN. This option is not available for mail in proposals.
- **HFIR**-High Flux Isotope Reactor
- **SNS**-Spallation Neutron Source-Proton Power Upgrade Project is underway with an anticipated completion date of March 2024.

**CANADA-**

The National Research Universal (NRU) research reactor, operated by the Canadian Nuclear Laboratories (CNL) at Chalk River is permanently shut down.

**APS**-Advanced Photon Source, Argonne National Laboratory

11-BM-Continuing the successful mail-in program. Data used by Jim Kaduk for ICDD Pharmaceutical Project.

**Korean Source**-Not up and running

**ESRF**-The European Synchrotron Radiation Facility

EBS (Extremely Brilliant Source) represents an investment of 150 M€ over the period 2015-2022. The principal aim of this project is to construct and commission the new 844 m circumference ESRF-EBS storage ring.

**SLS**-Swiss Light Source

2019 and 2020 SINQ undergoes a major upgrade program. The replacement of the whole neutron guide system. Several instruments including the reflectometer AMOR, the powder diffractometer DMC and the triple-axis spectrometer CAMEA are being upgraded. Following the upgrade, a total of 14 cold and thermal instruments will be available to users.

**ISIS**-High Resolution Powder Diffractometer (HRPD) will be upgraded in late 2019. Long shutdown anticipated until 1/2022

**ANSTO**-Australian Center for Neutron Scattering

Ten operational beamlines and two under construction

9. Magnetic contribution(s) to PDF entries. Not addressed at this meeting

10. New & Other Business- For 2020 meeting results to be discussed in regards to motion.

11. Adjournment

The Meeting adjourned at 4:00 p.m.

***R. Papoular***

# Synchrotron and Neutron Scattering Methods Subcommittee

## Attendance Sheet

Wednesday, 13 March 2019

Time: 3:00 - 4:00 p.m.

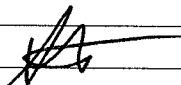
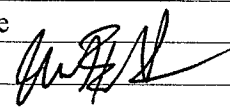
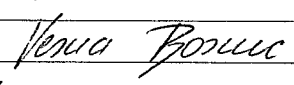
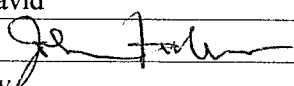
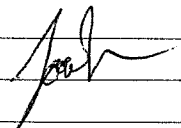
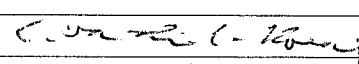
Conference Room A

Robert Papoular, Chairman



Vanessa Peterson, BoD Liaison

Justin Blanton, Staff Liaison

Name of Member	Signature	Name of Member	Signature
Al-Ghamdi, Rasha		Medrud, Ronald	
Ali, Ghulam (SA)		Misture, Scott	
Anibou, Nouredine		Murray, Conal	
Blanton, Justin++		Noyan, Ismail Cevdet	
Blanton, Tom		Pagola, Silvina	
Bosnic, Vesna++		Paxton, William	
Cockcroft, Jeremy		Petkov, Valeri	
Cox, David		Prewitt, Charles	
Crowder, Cyrus		Proffen, Thomas	
Dinnebier, Robert		Ramaswamy, Veda	
Dodoo-Arhin, David		Reddy, M.V.	
Faber, John		Reid, Joel	
Fawcett, Timothy		Rius, Jordi	
Ferreira, Fabio		Robie, Stephen	
Fuess, Hartmut		Rodriguez, Mark	
Gates-Rector, Stacy++		Rosenfeld, David	
Gindhart, Amy++		Ryba, Earle	
Gourdon, Olivier		Segre, Carlo	
Greenwood, Charlene		Sendja, Bridinette Thiodjio	
Han, Yifeng (SA)		Sitepu, Husin	
He, Bob Baoping		Specht, Eliot	
Hubbard, Camden		Suchomel, Matthew	
Huq, Ashfia		Tran, Thanh Thao (SA)	
Ida, Takashi		Ungar, Tamas	
Kabekkodu, Soorya		Vasylechko, Leonid	
Karen, Pavel		Whitfield, Pamela	
Kremenovic, Aleksandar		Yashima, Masatomo	
Leoni, Matteo		Zavalij, Peter	
Li, Ming			
Lind-Kovacs, Cora			
Mai, Zhenhong			
Marcinkova, Andrea			

(SA) Student Affiliate, Non-voting

\*\* Associate Member, Non-voting

++ Staff Consultant - Non-voting

Guests - Please sign on the next page.

Guest List  
Attendance Sheet

Name (Please print)

Signature

ALAN COELHO  
Denise DeCastro  
Fred Wireko  
Winnie Wang Ng  
Vanessa Peterson  
Cyrus Crowder  
Cynthia Diaz de la Haza  
Bryan Wheaton  
Charles Weth  
[Signature]  
[Signature]  
[Signature]

Name (Please print)

Signature

[Empty lined area for guest names and signatures]