

International Centre for Diffraction Data
ELECTRON DIFFRACTION Subcommittee
Wednesday, 16 March 2016
B. Wheaton, Chairman

1. Call to Order and Opening Remarks Bryan Wheaton

Roll Call and Attendance (See attendance sheet).
2. Appointment of Minutes Secretary
S. Gates-Rector was appointed to record minutes.
3. Approval of the 2015 Minutes
 - Motion moved by: B. Wheaton
 - Seconded by: T. Fawcett
(3-YES, 0-NO, 0-Abstain)
4. Review of Mission Statement
Read through by B. Wheaton and no changes were suggested.
5. Report of Board Liaison Jordi Ruis
No report to give.
6. Marketing Sales Information (*see presentation*) Tim Fawcett
 - B. Wheaton indicated that he believes there is a need for education to the electron diffraction community about the ED based capabilities of PDF-4+.
 - Needs to get presentation from T. Fawcett.
 - Overall point: Our users are not the primary users of ED capabilities.
 - B. Wheaton makes the point that individuals that work on ED in their lab are also using the ED features of the PDF-4.
 - How to educate people and get product out:
 - Compared electron microscopy market results to the XRD market survey ICDD did. Major difference in market was observed between ED & XRD was observed in China.
 - B. Wheaton asked if we have ever investigated solid state NMR info for the PDF-4.
 - S. Gates-Rector specifies the importance of having expert or a well-trained individual to attend ED meetings and/or train staff attending these meetings in order to provide customers accurate responses to their requests and questions.
 - B. Wheaton suggests gathering a group of ED power users in order to get the staff (J. Blanton, or S. Gates-Rector) better trained on this topic.
 - Strong agreement with this suggestion by the subcommittee.
 - Possibilities: Get together with some guys from B. Wheaton's lab; M&M meeting special assembly or meeting; and Lehigh University is relatively nearby.
 - T. Fawcett questioned about inputting the additional level of peak calculation for the dynamic component of ED, into the PDF software. Would this be beneficial for the community?
 - J. Ruis commented that in his opinion what is provided is enough.

7. Electron Diffraction Software Update (*see presentation*) J. Blanton
- K. Zhong's departure in 2015 has minimized the work that's been done this year on electron diffraction software updates.
 - J. Blanton indicated that the Engineering & Design Department has no major updates to the electron diffraction features; however, they have improved the speed of the search algorithm.
 - Much faster retrieval process when using this algorithm based on all d-spacing positions (not just "top 8") has enabled this enhancement.
8. Discussion of Old Business
- None.
9. Discussion of New Business
- T. Fawcett suggests to let the Technical Chair know that we are looking for funding to get expert group/power user together for input session/training for ICDD staff and to educate this community of what can be done using PDF-4.
 - Request to subcommittee to submit more ED data to ICDD.
10. Suggestions?
- An email sent by J. Kaduk was discussed. J. Kaduk suggested we align with an electron microscopy school at Madison Area Technical College in some way to better market to the electron diffraction community.
 - H. McDonnell indicated that she has already contacted them and has offered our support in the form of demo database use.
 - Suggestion made to also contact San Joaquin College (California), who runs similar courses.
11. Adjournment
- Moved: S. Misture
 - Seconded by: B. Wheaton