

Education Subcommittee Meeting - Minutes
Wednesday, 13 March 2019
International Centre Headquarters
C. Segre, Chairman

1. Call to Order C. Segre
2. Appointment of Minutes Secretary E. Jennings
3. Approval of Minutes of March 2018 – no objections
4. Review of Mission Statement

The Education Subcommittee shall be responsible for developing educational materials, implementing workshops, audio-visual programs, and special sessions at meetings concerned with the acquisition and utilization of diffraction data with emphasis on the PDF and its manual and automated search/match systems. Also, it encourages the teaching of powder diffraction methods in educational institutions. The Education Subcommittee will be responsible for assembling information about X-ray safety and providing lists and links regarding software tools for powder diffraction and X-ray fluorescence.

5. ICDD Staff Reports
 - A. Rietveld, XRD and XRF Clinics E. Jennings
See E. Jennings Power Point presentation
 - B. Denver X-ray Conference D. Zulli
See D. Zulli Power Point presentation
6. Board of Directors' Liaison Report X. Chen

Advanced Tools for e-Learning (ATeL) was tested during the XRD I clinic in 2018 in the hopes that it would improve the PDF-4+ database training. T. Blanton found that there were mixed opinions on ATeL from the attendees and it looks like the benefit will be primarily for isolated sites. There is a possibility of ICDD distributing it for a small fee, but it really needs to be part of a larger program. ICDD is not going to work with the program further, until we know what our online educational activities will look like. T. Blanton commented, we have been working on putting some additional content on our website for educational applications. We do have some initial videos helping people with installation issues and application uses. We are in the process of getting some translations together as well. These videos are available on the ICDD website, as well as YouTube, so they can be searched.

7. New Business

Earlier in the week C. Segre and M. Leoni had a conversation about how since our Subcommittee is very large and not as many people attend the meetings, we'd like to do a survey of our membership on how crystallography is taught at various educational institutions. Basically start with the membership, ask where and how crystallography or fluorescence is taught. It might help us make a decision regarding what is being taught here at the clinics.

Motion – The Education Subcommittee recommends to the Technical Committee to request ICDD Staff to initiate and conduct a survey on crystallography and diffraction education among the membership. C. Segre will lead the task group to help develop the survey. E. Ryba will help C. Segre.

Second: S Quick All in favor: 7 Opposed: 0

8. Adjournment – S. Quick, T. Blanton

Education Subcommittee

Attendance Sheet

Wednesday, 13 March 2019

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


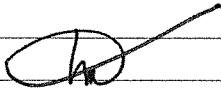
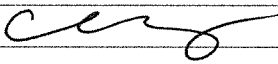
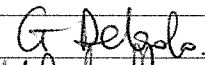
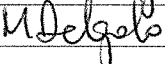
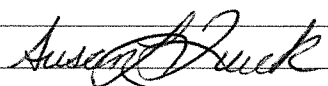
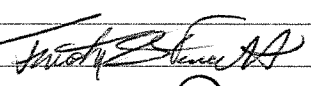
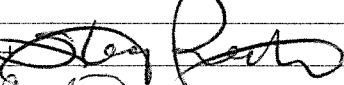
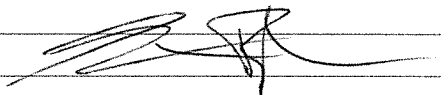
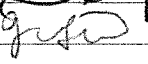
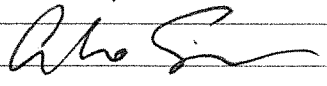
Conference Room A

Carlo Segre, Chairman

Xiaolong Chen, BoD Liaison

Eileen Jennings, Staff Liaison

ES

Name of Member	Signature	Name of Member	Signature
Aflori, Magdalena		Kourkoumelis, Nikolaos	
Alabi, Aderemi		Kozacek, Kris	
Ali, Ghulam (SA)		Leoni, Matteo	
Anzelmo, John		Liao, Libing	
Barpanda, Prabeer		Lima, Milton	
Blanton, Tom		Lind-Kovacs, Cora	
Boldyreva, Elena		Maguire, Theresa++	
Bosnic, Vesna++		Martinez, Javier	
Boughzala, Habib		Miller, Thomasin	
Bruma, Alina		Mohammed, Samir Osman	
Chen, Xiaolong		Novosel-Radovic, Vjera	
Crowder, Cyrus		O'Connor, Brian	
de Delgado, Graciela C. D.		Pagola, Silvina	
Delgado, Jose Miguel		Park, Chan	
Dikarev, Evgeny		Poellmann, Herbert	
Diouf, Saliou		Pratapa, Suminar	
Dodoo-Arhin, David		Proffen, Thomas	
Donakowski, Martin (SA)		Quick, Susan	
El-Meligi, Amin		Raven, Mark	
Faber, John		Rodriguez, Mark	
Fawcett, Timothy		Rogante, Massimo	
Gan, Yang		Ruud, Clayton	
Gates-Rector, Stacy		Ryba, Earle	
Gindhart, Amy++		Scardi, Paolo	
Guo, Liwei		Segre, Carlo	
Hatherley, Lorraine		Sharma, Yogendra Kumar	
Havrilla, George		Song, Bo	
Johnson, Jr., Gerald G.		Squires, Leah	
Jones, Howard		Suescun, Leopoldo	
Jozanikohan, Golnaz		Taylor, David	
Kabekkodu, Soorya		Toro, Robert	
Kaduk, James		Tran, Thanh Thao (SA)	
Kalceff, Walter		Ungar, Tamas	
Kan, Wang Hay (SA)		Vasudevan, R.	
Khan, Ashraf		Wang, Wanyan	
Kimmel, Giora		Williams, Craig	
Kinneging, Albertus (Bert)		Yao, Xinkan	

Education Subcommittee

Attendance Sheet

Wednesday, 13 March 2019

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

Conference Room A

Carlo Segre, Chairman

Xiaolong Chen, BoD Liaison

Eileen Jennings, Staff Liaison

Name of Member**Signature**

Name of Member**Signature**

Yin, Shawn

Yuan, Wenxia

Zavalij, Peter

Zheng, Shao-Liang

Guests - Please sign on the next page.

Guest List Attendance Sheet

Name (Please print) Signature

Steph Jennings
Denise Zulli
T N GURU ROW
Tom Ely
Nick Kottenhahn
BRIAN Morris
Rhonda Dougherty
C. FORIS
N Ernst Boris
MICHAEL CARR
Ewen Jennings

Name (Please print) Signature

2018 CLINICS & WORKSHOPS

2018 Attendance Figures

XRF Clinic – 14

- 1 Tuition Waiver granted
- 1 Manufacture discount was granted

XRD I Clinic – 26

- 1 Tuition Waiver granted
- 1 Free registration was granted

XRD II Clinic – 18

- 1 Tuition Waiver granted
- Rietveld Workshop –17 all week
- 1 Tuition Waiver granted

Summary of the 2018 Evaluations

Scores based on a 4.0 scale	XRF	XRD I	XRD II	Rietveld
Attendance	14	26	18	17
Scope	3.4	3.7	3.4	3.6
Instructors	3.4	3.8	3.7	3.6
Materials	3.2	3.7	3.4	3.4

2018 Facts & Figures

The majority of attendees took advantage of the Early Registration Fee:

- 9 out of 14 XRF Attendees
- 20 out of 26 XRD I Attendees
- 14 out of 18 XRD II Attendees
- 14 out of 17 Rietveld Attendees

Five attendees participated in both XRD I & II

Vendor Participation

XRF Clinic:

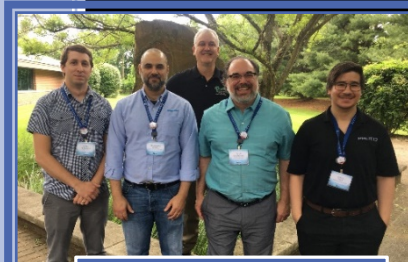
- **Terry Suscavage**, Malvern Panalytical Inc.
- **Bob Burton**, Metal Analysis Group

XRDI Clinic:

- **Nick Rodesney**, Bruker AXS, Inc.
- **Scott Speakman**, Malvern Panalytical Inc.
- **Joshua Field**, PROTO Manufacturing
- **Noureddine Anibou**, Rigaku Americas Corp.



XRF
Faculty & Vendors



XRDI Vendors

Upcoming 2019 clinic dates:

XRF: 29 April – 3 May

XRD I: 3 – 7 June

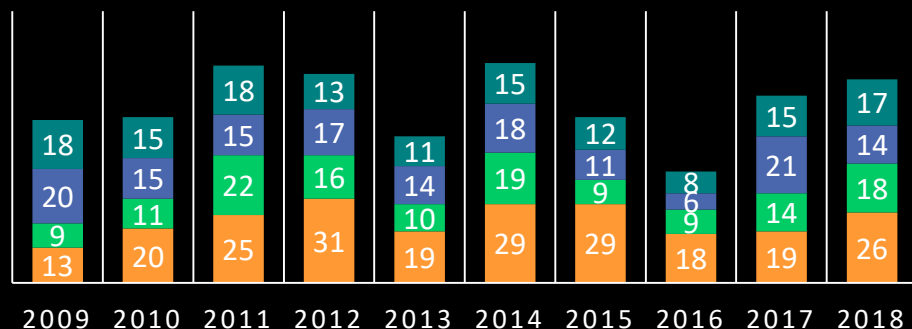
XRD II: 10 – 14 June

Rietveld: 23 – 27 September



10 Year Look at Clinic Attendance

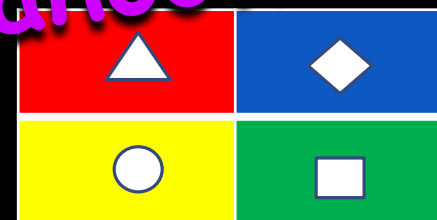
■ XRD I ■ XRD II ■ XRF ■ Rietveld



Action Items for 2019

- Continue with sending the Clinic Mailer in all product mailings.
- Continue with MailChimp advertising and social media campaigns for all clinics.
- Implement Kahoot! into the 2019 XRF and Rietveld Clinics (if possible).

Kahoot!



PHOTOS FROM 2018

XRF



XRDI



XRDI



XRF



XRDI



XRDI



XRDI



Rietveld



Rietveld



Rietveld



Rietveld



Denver X-ray Conference

6 – 10 August 2018

The Westin

Westminster, Colorado

USA



2018 Denver X-ray Conference

Registration:

267 registered attendees; including 17 students

30% non-USA, 70% USA

Exhibits:

44 participating companies

57 booths sold

150 exhibit personnel

Program:

17 Half-day workshops

Plenary: Minerals and Gems

15 Half-day sessions

160 Presentations

Total Attendance
417

Coming soon to a conference center near you...

2019 DENVER X-RAY CONFERENCE

– NEW HOTEL!

5 – 9 August 2019

The Westin Lombard Yorktown Center

Lombard, Illinois, USA

Combined meeting with ICXOM-25
(25th International Congress on X-ray Optics
and Microanalysis)

Submit your abstract soon!
Deadline Date: 15 March

2020 DENVER X-RAY CONFERENCE

– NEW LOCATION!

3 – 7 August 2020

Bethesda North Marriott Hotel & Conference
Center

Rockville, Maryland, USA

**DXC will be held on the East coast for the
first time in 69 years!**

Advances in X-ray Analysis

Volume 61, Proceedings of the 2017 Denver X-ray Conference

- Released in June 2018, free on-line access provided to attendees of the 2017 DXC, who paid the appropriate registration fee.
- 24 manuscripts included in the volume.
- Produced in-house at ICDD, both on-line and on CD-ROM.

Volume 62, Proceedings of the 2018 Denver X-ray Conference

- Scheduled for release in June 2019
- 15 manuscripts submitted for publication
- Cost-savings of ICDD in-house production will now allow us to give on-line access to all registered attendees.

PPXRD-16
9-12 May 2019
Paul Scherrer
Institute
Switzerland



PPXRD

Pharmaceutical Powder X-ray Diffraction Symposium

The PPXRD symposium was not held in 2018.

PPXRD-16 will be held as a combined meeting with SPS-XRPD-2 (Second Spring Pharmaceutical Synchrotron X-ray Powder Diffraction Workshop).

Sessions open for abstract submission include:

- API Phase Stability
- Qualitative & Quantitative Phase Analysis
- Amorphous, Mesomorphous, Nano Materials
- Synchrotron XRPD Beamlines Overview
- Structure Determination
- Software, Database, Laboratory Instrumentation
- Biological & Biosimilar Drugs
- Complementary and Emerging Techniques and Methodologies

Deadline to submit abstract: 29 march 2019
See complete Program Details on the PPXRD website