

# 1 Day Workshop on Fundamentals of X-ray Diffraction

## 20 September 2014 @ Venture Center

### Evaluation Results

Category		Avg (Min-Max) Count
<b>Section 1: Event Administration</b>		
	Quality of pre-event (registrations, queries)	5.58 (5 – 7) 24
	Was the workshop registration process timely and efficient?	5.79 (5 - 7) 24
	Quality of staff responsiveness	5.95 (5 - 7) 24
	Pace of the event (time mgmt)	5.83 (5 – 7) 24
	Overall satisfaction with event organization	5.54 (5 – 7) 24
<b>Section 2: Event Facilities</b>		
	Venture Center Training room (Was it appropriate, clean and comfortable)	5.66 (4 – 7) 24
	Venture Center Cafeteria (Was it appropriate, clean and comfortable)	5.79 (5 – 7) 24
	Food (Tea/coffee and lunch at Venture Center)	5.75 (4 – 7 ) 24
	Materials and Handouts	5.66 ( 4 – 7 ) 24
<b>Section 3: Theory &amp; Demonstration sessions</b>		
1	Relevance of content	5.39 (5 – 7) 23
2	Depth of Content	5.13 (5 – 7) 23
3	Instructor explains clearly, encourages and answers questions	5.75 (4 – 7)24
4	Demonstrations at NCL	5.88 (5 – 7) 24

Rating Scale	
1	Bad
2	Well below average
3	Below average
4	Average
5	Good
6	Very good
7	Excellent

Section 4: Comments & Suggestions	
How can these workshops be improved further?	
1	Make arrangement such workshop for at least 3-4 days
2	Yes it was bound in time so
3	By elaborating the important terms like symmetry operation, SAED pattern of single/polycrystal
4	To give some more time/days to understand in brief. In short time is lack for this workshop. Details course should be organized soon
5	By give more time to provide a platform to understand basic principle and so on
6	By including more applied aspects and case studies
7	Use/Application of XRD not explained/understood
8	Please mare sure sufficient time will be provided. No application part covered due to vast topic
9	Workshop is good but one day is not sufficient to get knowledge deeply
10	Please give more time for practical session
11	More than one day of workshop is required. At least two days. More depth knowledge.
12	This is my 4th training at VC and I have always said, increase the time
13	Should have specific application oriented workshop of small group
14	Increase practical session
15	Increase practical session ; Increase no. of days (may 4 to 6 days)
16	By taking talks on AFM, SEM TEM & VSM. These instrumental analysis so by talks we can improve
17	Time is too short to get to know about theory of diffraction, Require more time
18	Two hour talk is not enough to demonstrate/explain sophisticated instrument like XRD

Please suggest a topic on which you wish to have a workshop on			
1	Workshop related to all basic characterization, synthesis as well as data analysis		
2	In material science - interpretation of data - what is the role of intensity in PXRD, Need more session to understand the concept of XRD in depth		
3	More workshop like same topic		
4	applied Aspects/Variations; Industrial Scenario		
5	Analytical Chemistry		
6	Phase quantification and identification on XRD		
7	Refinement XRD		
8	Refinement (-ray), multiferroic, Ferromagnetic, ferroelectrics, Magnetic nanoparticle, characterization techniques.		
9	Mechanical study of nanocomposites.		
10	All basic characterization techniques like TEM, SEM, VSM, Mossbauer		
11	NMR including sample preparation, analysis & instrument handling		
12	Plant and animal tissue culture, stem cell		
13	DLS		
14	Advance XRD, Practical session for XRD		
15	Electron Microscopy (AFM, TEM, SEM), Atomic Force microscopy, Transmission Electron Microscopy, Scanning electron Microscopy		
16	Please arrange the talk on AFM, SEM, VSM, Vacuum technology		
17	Crystal structure determination from powder x-ray diffraction		
18	DLS & imaging techniques.		
How did you hear about this event?		No of participants	
		Email	4
		Internet	2
		Newspaper	7
		From teacher / Institute	3
		From friend /colleague	3
Would you like to hear about similar events in the future?		Yes	24
Would you like to attend a workshop on Advanced XRD (6theory sessions of 1-1.5 hours each; 11 practical's sessions of 6-8 hours each)		Yes	24

## Testimonials

1. This workshop is arranged very well. I have learnt lot of things related to preparation & analysis of XRD. Please arrange some workshop for more days and please allow to handle these instruments.
2. Workshop was fantastic. We learn a lot from this. I will attend the next workshop which will be arranged by you.
3. Need more session to understand the concepts of XRD in depth. In material science – is the role of 100 intensity peak to identify the compound. More trace on interpretation of data from PXRD.
4. Subject was quite huge to be covered; hence time allotted was not sufficient. As an industry person, I would like to focus more on application part which was missed. Though the workshop meant for fundamentals, I think advance level workshop should follow covering more application & analytical part. Theory sessions should be more; anyway hands on facility will be limited. So overall excellently organized event administration wise. Course content, faculty was excellent. Would like to participate in in-depth long duration workshops. Thanks & congratulations efforts later.
5. The workshop has been very informative. Looking forward for more such workshops/training sessions (hands on sessions) for than one day. Thank you.
6. Need detailed training and analysis support for our material- biopolymers to study their interactions.
7. Please arrange more seminars/workshops on different topics like AFM/SEM/FSEM/VSM/HRTM. By that we get all more information. There should be three weeks program on vacuum technology. Adaptive optics seminar.
8. These workshops are very good to bring interactions between students, working delegates & the experts & request you to increase the time span of workshop so we can get maximum from this workshop.
9. Food was cold.
10. Too fast and basic.