



National Workshop on Ion Beam Applications

June 02-03, 2016

National Centre for Physics (NCP)

Shahdara Valley Road, Islamabad

Day-1 (Thursday, June 02, 2016)

08:00 - 09:00 | REGISTRATION at BOQ Reception

Session 1 (09:00 to 10:00) Room 109, Academic Block

09:00– 09:05 | Recitation from the Holly Quran

09:05 – 09:10 | Opening Remarks (Dr. Ishaq Ahmad (Director EP))

09:10 – 09:20 | Welcome Address (Dr. Hafeez R. Hoorani (DG NCP))

09:20 – 09:30 | Inaugural Address by the Chief Guest

09:30 – 10:00 | Lecture: A dialogue between the designers and users of ion beam (Dr. Shoaib Ahmad, Ex-Member Science, PAEC)

10:00 – 11:00 | Group Photo followed by refreshment in the Auditorium

Session 2 (11:00 to 13:00) Room 109, Academic Block

11:00 – 11:30 | The Future Accelerators

Dr. Badar Suleman (Ex- Member Science, PAEC)

11:30 – 12:00 | Particle Induced X-Ray Emission and its Industrial Applications

Dr. M. Saleem Sheikh (Preston University)

12:00 – 12:30 | Ion beam application in Semiconductors

Dr. Muhammad Usman (NCP)

12:30 – 13:00 | Ion beam induced nano-welding of nanowires / nanotubes for integration of nano-devices

Force Tefo Thema (iThemba LABS South Africa)

13:00– 14:00 | LUNCH in Auditorium Lobby and Prayers Break

Session 3 (14:00 to 16:00) Room 109, Academic Block		
14:00 – 14:30	<i>Ion beam surface modification for biomedical application</i>	Muhammad Ehsan Shafique (GCU, Lahore)
14:30–15:00	<i>Measurement of excitation functions in proton induced reactions on natural copper from their threshold to 43MeV</i>	Muhammad Shahid (PNRA)
15:00–15:30	<i>Applications of Proton-Induced X-ray Emission technique in Biological Sciences: A new look at the position of PIXE</i>	Safdar Abbas (QAU)
15:30 – 16:00	<i>“RBS and Channeling: Basics and Application”</i>	Dr. Ghulam Husnain (NCP)
Day-2 (Friday, June 03, 2016)		
Session 4 (08:30 to 10:30) Room 109, Academic Block		
08:30 – 09:00	<i>Ion Beam Application in Environment Science</i>	Dr. Waheed Akram (NCP)
09:00 – 10:00	<i>Overview of ion beam accelerator</i>	Javed Husain (NCP)
10:00 – 10:30	<i>Ion Beam Application in Nano Science and Nano Technology</i>	Dr. Ishaq Ahmad (NCP)
10:30 – 11:00	<i>TEA BREAK in Auditorium Lobby</i>	
Session 5 (11:00 to 12:30) Tandem Accelerator Facility, EP		
11:00 – 12:30	<i>Hands on training on data acquisition and its interpretation</i>	Turab Ali (NCP)
12:30 – 14:00	<i>LUNCH and Jumma Prayers</i>	
Session 6 (14:00 to 16:00) Room 109, Academic Block		
14:00 – 15:00	Panel Discussions	
15:00 – 15:30	Closing Remarks	
15:30 – 16:00	Refreshments in Auditorium Lobby	

End of Program