

Scientific Programme for Indian Particle Accelerator Conference - 2009 (InPAC-09)

RRCAT, 10-13 Feb., 2009

10th February 2009

0930-1100	90 min.	Inaugural Session	
		Welcome General Remarks about InPAC Series Presidential Address	CK Pithawa VC Sahni Anil Kakodkar
1015-1055	40 min.	Plenary Talk/Key Note Address High Energy Physics in Next Decade and Beyond	Pierre Oddone
		Vote of Thanks	SK Deb
1100-1130	Inauguration of Industrial Exhibition High Tea		
1130-1230	60 min.	Session-II : New Accelerator Facilities-I	
1130-1200	30 min.	Invited Talks : Global R&D Effort for the ILC Superconducting RF Technology	Akira Yamamoto
1200-1230	30 min.	Status of the CLIC feasibility study	Stefan Doubted
1230-1400	Lunch		
1400-1530	90 min.	Session-III : Beam Dynamics & Ion Sources	
1400-1430	30 min.	Invited talk : RIB project at VECC – its goal for accelerator development & fundamental research.	Alok Chakrabarty
1430-1445	15 min.	Contributed talks : Estimation of beam envelope in the central region of a high current compact cyclotron	A Goswami
1445-1500	15 min.	Quadrupole to BPM offset determination in Indus-2	Saroj Jena
1500-1515	15 min.	Effect of two microwave frequencies on electron confinement time in ECR ion source	PR Sarma
1515-1530	15 min.	Closed orbit correction scheme for Indus-2 using MICADO and SVD algorithms	Riyasat Hussain
1530-1600	Tea Break		
1600-1800	Session-IV Poster Session :Beam dynamics and ion sources; Vacuum System for Accelerators/Radiation Safety in Accelerators/Low Energy Accelerators: DC Accelerators, Cyclotrons, Microtrons and free electron lasers/Magnet Power supplies.		

11th February 2009

0930-1100	90 min.	Session-I: New accelerator facilities-2					
0930-1000	30 min.	Invited talks : Superconducting Cyclotron at VECC	RK Bhandari				
1000-1030	30 min.	Current status and improvements planned in Indus-2	Gurnam Singh				
1030-1100	30 min.	Challenges in Accelerator Physics	A Roy				
1100-1130	Tea Break						
1130-1300	90 min.	Session-II: Linear Accelerators : Proton					
1130-1200	30 min.	Invited talk : Developmental Activities for High Intensity Proton Accelerator at BARC.	P. Singh				
1200-1215	15 min.	Contributed Talks : RF structure measurement & RF system of the 3.4 m long RFQ for VEC-RIB project	H K Pandey				
1215-1230	15 min.	Beam optics and resonator design for the 97 MHz DTL at IUAC	Ajith Kumar				
1230-1245	15 min.	Electromagnetic design study of RFQ	N Mehrotra				
1245-1300	15 min.	Design and development of 400keV RFQ accelerator	Abhay Kumar				
1300-1400	Lunch						
1400-1430	30 min.	Session-III					
1400-1430	30 min.	Invited talk : Indigenous Medical Linac Development Programme at SAMEER	Amol Bhagwat				
1440-1540	PARALLEL SESSION -III – A : RF and Microwave Systems			1440-1540	PARALLEL SESSION - III – B : Magnet Design and Technology		
1440-1455	15 min.	Contributed Talks : Preliminary RF test on the 1.17m prototype RFQ at IUAC	Sugam Kumar	1440-1455	15 min.	Contributed talks : Optimization of dipole magnets in the injection line of superconducting cyclotron through field measurement	MH Rashid
1455-1510	15 min.	First operational experience with the RF system of K500 superconducting cyclotron at VECC	S Som	1455-1510	15 min.	Development of microwave ferrites & garnets for prototype ferrite circulators at 352 MHz & 700MHz	L Aditya
1510-1525	15 min.	Synchronization of RF fields of Indus 2RF Cavities for proper injection and Acceleration of beam	N Tiwari	1510-1525	15 min.	Skew quadrupole in sextupole magnets for Indus-2	Gautam Sinha
1525-1540	15 min.	Resonant frequency tracking system	Gopal Joshi	1525-1540	15 min.	Filter magnet design study for H-Ion source	Ajeet kumar
1540-1600	Tea Break						
1600-1800	Session-IV: Poster Session: Linear Accelerators/RF and Microwave Systems /Magnet Design and Technology.						

12th February 2009

0930-1100	90 min.	Session-I: Existing accelerator facilities					
0930-1000	30 min.	Invited talks : Status of Synchrotron SOLEIL : The French high brilliance synchrotron source	Murad Idir				
1000-1030	30 min.	To be announced					
1030-1100	30 min.	Pelletron LINAC Facility at TIFR	RG Pillay				
1100-1130	Tea Break						
1130-1300	90 min.	Session-II: High Energy accelerators/Beam diagnostics / Superconducting Technology					
1130-1200	30 min.	Industrial high energy electron accelerators type ILU	A Brayzin				
1200-1215	15 min.	Contributed Talks : Development of multi-functional beam diagnostic device for transfer line TL-1 of Indus-1	RS Sandha				
1215-1230	15 min.	FPGA based beam profile monitor digitizer	JA Gore				
1230-1245	15 min.	x-ray beam position monitor on Indus-2	VP Dhamgaye				
1245-1300	15 min.	Commissioning and operation of Superconducting linac at IUAC	S Ghosh				
1300-1400	Lunch						
1400-1430	30 min.	Session-III					
1400-1430	30 min.	Invited talk : Laser Wakefield Electron Acceleration : An Overview and Recent Work at RRCAT.	PD Gupta				
1440-1540	PARALLEL SESSION -III – A : Accelerator Control Systems			1440-1540	PARALLEL SESSION - III – B : Applications of Accelerators & related topics		
1440-1455	15 min.	Contributed Talks : FPGA based VME boards for Indus-2 timing control system	Nitin Lulani	1440-1455	15 min.	Contributed talks : Deformation of micro and nano mechanical structures under highly focused intense ion beams	Sarvesh K Tripathi
1455-1510	15 min.	Operational experience with the Control Scheme for IUAC Linac Booster	BK Sahu	1455-1510	15 min.	Performance and applications of 8/12 MeV variable energy microtron at Mangalore University.	Ganesh Sanjeev
1510-1525	15 min.	Design of supervisory control system for FEL	PP Deshpande	1510-1525			
1525-1540	15 min.	Control and monitoring system for internal beam diagnostic facility of SCC	N Chaddha	1525-1540			
1540-1600	Tea Break						
1600-1800	Session-IV: Poster Session : Beam diagnostics / Superconducting Technology/ Accelerator Control Systems/ Applications of Accelerators/ Other related topics						

13th February 2009

0930-1100	90 min.	Session-I : Low Energy Accelerators : DC Accelerators, Cyclotrons, Microtrons and Free Electron lasers, Existing accelerator facilities	
0930-1000	30 min.	Invited Contributed Talk : Operating Experience of 10 MeV RF Linac at EBC, APPD, BARC.	VT Nimje
1000-1015	15 min.	Contributed Talks : Commissioning experience on high voltage generator of 750 keV DC accelerator at RRCAT, Indore	R Banwari
1015-1030	15 min.	Superconducting cyclotron deflector conditioning status – an experience with high voltage	Subhash Ghosh
1030-1045	15 min.	Upgrade of microwave system and efforts for generation of variable pulse width electron beam from 20 MeV pre-injector micrtron for Indus Complex	P Shrivastava
1045-1100	15 min.	Development of in-vacuum mirror system, compact magnets and undulator beam line for CUTE-FEL	B Biswas
1100-1130	Tea Break		
1130-1300	90 min.	Session-II : Vacuum Systems for Accelerators / Radiation Safety in Accelerators, Magnet Power Supplies	
1130-1200	30 min.	Invited Contributed Talk: Dynamic Response of Accelerator Power Supplies – Indus Experience	AC Thakurta
1200-1215	15 min.	Contributed Talks : Estimation of Induced Radioactivity in Accelerator Driven Systems by 250 MeV Protons	Maitreyee Nandy
1215-1230	15 min.	Safety Aspects of Indus-1 and Indus-2	DS Thakur
1230-1245	15 min.	Experimental evaluation of Radiological conditions of HRVUN Beam Line of Indus-1 SRS at RRCAT	Dimple Verma
1245-1300	15 min.	High stability bipolar current power supply for a variable pole-gap dipole magnet	ML Gandhi
1300-1315	15 min.	Crowbar protection system for 350 MHz tetrode amplifier	S Shrotriya
1315-1345	30 min.	Panel Discussion	
1345-1430	Lunch		
1430-1630	Session-IV: Visit to Indus-2 (Ring, Control Room, Experimental Hall)		