

Symposium on Quantum Computing and Artificial Intelligence

Day 1 : 29th January 2025

Time	Speaker	Title of Talk
09:00 - 10:00	Registration	
09:15 - 09:45	Breakfast	
10:00 - 11:00	Inaugural Session	
11:00 - 11:15	Tea break	
11:15 - 11:55	Mr. Vishal Chatrath, CEO, QuantrolOx, Finland	Need for qubit automation to develop useful quantum computers
11:55 - 12:40	Dr. Devashree Tripathy, IIT Bhubaneswar	AI Infrastructure: Optimizing LLM Inference for Efficiency and Scalability
12:40 - 14:00	Lunch	
14:00 - 14:40	Prof. G Raghavan, School of Quantum Technology, DIAT Pune	
14:40 - 15:20	Prof. Umakant D. Rapol, IISER Pune	Quantum Computing Hardware based on ion traps
15:20 - 16:00	Dr. Shruti Patil, Symbiosis Institute of Technology, Pune	Advances in AI
16:00 - 16:15	Tea break	
16:15 - 16:55	Dr. Manisha Nene, Department of CSE, DIAT Pune	
16:55 - 17:00	Mr. Amit Saxena, C-DAC Pune	

End of Day 1

Day 2 : 30th January 2025

Time	Speaker	Title of Talk
09:00 - 09:30	Breakfast	
09:30 - 10:10	Prof. Usha Devi A.R. Bangalore University	Quantum state tomography of three-qubit states and reconstruction of whole pure three-qubit W state from its parts using quantum processor ibm_osaka
10:10 - 10:50	Prof. Bijoy Krishna Das, IIT Madras	
10:50 - 11:00	Tea break	
11:00 - 11:40	Prof. Aruna Tiwari, IIT Indore	Innovative AI/ML Technologies
11:40 - 12:20	Prof. Anirban Pathak, IIIT, Noida	Photons and Quantum Technologies
12:20 - 13:30	Lunch	
Young Scientists Session		
13:30 - 14:10	Dr. Santu Sardar, DYSL-QT, Pune	
14:10 - 14:50	Dr. Anshul Saxena, Christ University, Pune	Digital Twins: Quantum AI and Generative AI in Financial Applications
14:50 - 15:30	Mr. Sagnik Chatterjee, IIITD Delhi	Modern Algorithmic Design Primitives in Quantum Computing
15:30 - 16:45	<p>Panel Discussion: “Quantum Accelerated Computing: The Future of Hybrid Systems in Quantum and Classical Computing</p> <p>Moderator: Col. A.K. Nath(Retd.), Senior Advisor Quantum and HPC (C-DAC)</p> <p>Panelists: Shri Rahul Neiwal, Shri Amit Saxena, Shri Amit Srivastava, Shri Shashank Sharma C-DAC Pune, Dr. Asvija B, Shri. Henry S, C-DAC Bangalore, Shri. Vivek Nainwal, C-DAC Hyderabad, Shri. Kunal Abhishek, Shri Nishant Shekhar C-DAC Patna, Shri. Abhishek Tiwari, C-DAC Noida</p>	
16:45 - 17:00	Tea Break and Goodbye	
End of Day 2		

