

# Symposium on Quantum Technologies

📅 20–21 March 2026

📍 Turing Hall, A17 Building, North Campus, IIT Mandi

## Day 1 — 20 March 2026

Time	Speaker / Details	Title of Talk
08:30 – 09:15	 <b>Breakfast + Registration</b>	
09:15 – 09:30	<b>Prof. C. S. Yadav</b> Chairperson, CQST	<b>Inaugural Address</b>
09:30 – 10:00	<b>Prof. R. P. Singh</b> PRL Ahmedabad	<i>Free-space quantum communication: Importance and the present status</i>
10:00 – 10:30	<b>Prof. Arvind</b> IISER Mohali	<i>Quantum Information Processing with Light</i>
10:30 – 11:00	 <b>Tea Break &amp; Poster Session</b>	
11:00 – 11:30	<b>Dr. Rajesh Nair</b> IIT Ropar	<i>Diamond color centers for quantum photonics and sensing</i>
11:30 – 12:00	<b>Prof. Manas Mukherjee</b> CQT Singapore	<i>Quantum computing with trapped ions</i>
12:00 – 12:30	<b>Dr. Vishwa Pal</b> IIT Ropar	<i>Optical computing with a laser simulator</i>
12:30 – 14:00	 <b>Lunch Break</b>	
14:00 – 14:30	<b>Dr. Sourav Dutta</b> TIFR Mumbai	<i>Harnessing Dissipation: Quantum Interference in Spontaneous Emission and Long-Lived Ion-Atom Hybrid Trapping</i>
14:30 – 15:00	<b>Dr. CP Ravikumar</b> Texas Instruments	<i>AI + Quantum + Classical: A Hybrid Approach to optimization</i>
15:00 – 15:30	<b>Dr. Harpreet Singh</b> GNDU Amritsar	<i>Molecular quantum sensors based on organic crystals</i>
15:30 – 16:00	 <b>Tea Break</b>	
16:00 – 18:00	<b>Panel Discussion: B.Tech Programme in Quantum Technologies</b>	
18:00 – 18:30	<b>Poster Session</b>	
19:30 – 21:00	 <b>Dinner</b>	

## Day 2 — 21 March 2026

Time	Speaker / Details	Title of Talk
08:30 – 09:30	 <b>Breakfast</b>	
09:30 – 10:30	<b>Director IIT Mandi address/ Panel Discussion Continued..</b>	
10:30 – 11:00	 <b>Tea Break &amp; Poster Session</b>	
11:00 – 11:30	<b>Prof. Fabien Bretenaker</b> University of Paris-Saclay, Paris.	<i>Improving the bandwidth of Rydberg RF receivers: theory and experiments</i>
11:30 – 12:00	<b>Prof. Ajay Wasan</b> IIT Roorkee	<i>How the Controlled-Z Quantum Gate Works: An Introduction Using Rydberg Atoms</i>
12:00 – 12:30	<b>Prof. Kavita Dorai</b> IISER Mohali	<i>Quantum Correlations Against Decoherence</i>
12:30 – 14:00	 <b>Lunch Break</b>	
14:00 – 14:30	<b>Prof. Mikko Möttönen</b> Aalto University, Espoo	<i>Autonomous quantum machines</i>
14:30 – 15:00	<b>Dr. V. Narayanan</b> IIT Jodhpur	<i>Implementation of Scalar and Vector Radiation codes in Estimation of QBER and Key-rates for Quantum Communication</i>
15:00 – 15:30	<b>Prof. K. P. Singh</b> IISER Mohali	<i>Nano-diamond enabled femtosecond processed ultrathin glass for quantum sensing applications</i>
15:30 – 16:00	 <b>Tea Break</b>	
16:00 – 16:30	<b>Biman Chattopadhyay</b> Quanfluence	<i>Photonics Quantum Computing</i>
16:30 – 17:00	<b>Conclusion &amp; Best Poster Award</b>	
19:30 – 21:00	 <b>Dinner</b>	

Organized by the Center for Quantum Science and Technologies (CQST) at the Indian Institute of Technology (IIT) Mandi.