

Workshop on Cavity Quantum Materials

Tentative Program Schedule

Day-1

05th, March 2026 – Tutorials & Invited sessions: Basics of Cavity-QED

Time		Session	Details
09:30 10:00	–	Inaugural Session	Welcome address, overview of workshop objectives
10:00 11:30	–	Tutorial Lecture I	Fundamentals and Applications of Cavity QED
11:30 12:00	–	Tea/Coffee Break	
12:00 13:30	–	Tutorial Lecture II	Polaritonic Materials & Cavity-Modified Chemistry
13:30 14:30	–	Lunch Break	
14:30 16:00	–	Invited Session I	2 invited talks: Cavity-QED with atoms, ions, transmons and their applications
16:00 16:30	–	Tea/Coffee Break	
16:30 18:00	–	Invited Session II	2 invited talks: Cavity-QED for sensing, quantum information & computing.

Day 2

06th, March 2026 – Applied Cavity-QED: Applications, Frontiers & Prospects

Time		Session	Details
09:30 11:00	–	Invited Session III	2 invited talks: Cavity Chemistry and Cavity Engineered Materials
11:00 11:30	–	Tea/Coffee Break	
11:30 13:00	–	Invited Session IV	2 invited talks: Cavity engineered quantum emitters (Purcell effects)
13:00 14:00	–	Lunch Break	
14:00 15:30	–	Invited Session V	2 invited talks: Cavity-Engineered Quantum-Technology Solutions, Trends, Applications and Societal Impact
15:30 16:00	–	Tea/Coffee Break	
16:00 17:00	–	Closing Remarks	Challenges, Opportunities Future directions, collaborations, and white paper (roadmap) preparation