

Program Schedule - ILA Course - II

Day 1 : 10-02-2021

Sr. No.	Time	Title of lecture	Speaker	Affiliation
1	10:30 HRS	Introduction to Quantum Optics-I	Dr. Arup Banerjee	Raja Ramanna Centre for Advanced Technology
2	12:00 HRS	Introduction to Quantum Optics-II	Dr. Arup Banerjee	Raja Ramanna Centre for Advanced Technology
3	13:30 HRS	Introduction to atom cooling	Dr. Vibhuti Bhushan Tiwari	Raja Ramanna Centre for Advanced Technology
4	15:00 HRS	Cold atomic clock: modern time standards	Dr. Surjya Prakash Ram	Raja Ramanna Centre for Advanced Technology
5	16:30 HRS	Squeezed light sources	Dr. Jogy George	Raja Ramanna Centre for Advanced Technology

Day 2 : 11-02-2021

1	10:30 HRS	Noise limits in Classical measurement	Dr. Jennifer C. Driggers	California Institute of Technology
2	12:00 HRS	Interferometry beyond the Quantum Limit	Dr. Yanbei Chen	California Institute of Technology
3	13:30 HRS	Implementation of Squeezing in LIGO	Dr. Lee McCuller	Massachusetts Institute of Technology
4	15:00 HRS	Cold atom interferometer: application to precision measurements	Dr. Vibhuti Bhushan Tiwari	Raja Ramanna Centre for Advanced Technology
5	16:30 HRS	Introduction to Optomechanics	Dr. Sendhil Raja S.	Raja Ramanna Centre for Advanced Technology