

MONDAY

COLLOQUIUM

Mechanical Analog of Optical Laser

Mishkat Bhattacharya (RIT, New York)

14 Jul 2025 (Monday) | 16:00 Hrs (Tea / Coffee 15:45 Hrs) | Venue: TIFRH Auditorium

In this talk I will describe our recent theoretical work on levitated optomechanics with optically trapped nanoparticles. I will address the theory of cooling and regenerative excitation of center-of-mass nanoparticle motion (phonon laser) in relation to the experiments in the group of our collaborator A. N. Vamivakas at the University of Rochester.