

A short academic program
Quantum Optics & Quantum Technology
5-8 June 2017

Jointly organized by the Department of Materials Science &
Raman Centre for Atomic and Molecular Sciences (RCAMOS),
Indian Association for the Cultivation of Science
Jadavpur, Kolkata

Venue: S. N. Bose Hall, IACS

Part-I (5-7 June): Semi-pedagogical talks

Bimalendu Deb, IACS

EPR Paradox & Bell's Theorem

Debasis Sarkar, University of Calcutta

Quantum Correlations- Entanglement and beyond Entanglement

Bhupendra Nath Dev, IACS

Solid-State Quantum Structures & Their Applications in Quantum Information Processing

Manas Mukherjee, CQT, NUS, Singapore

Quantum control of a few atoms, photons and phonons

Goutam Paul, ISI-Kolkata

Quantum Key Distribution and Its Cryptanalysis

Arnab Das, IACS

Quantum Computation and it's Analog Version: A Basic Primer

Subhadeep De, NPL, New Delhi

Precise "time keeping" using atoms and lasers

Saikat Ghosh, IIT-Kanpur

Cavity QED/Cavity Optomechanics

Part-II (8 June): Discussion Meeting

Applied aspects of quantum mechanics: Quantum engineering using atomic, molecular, optical & solid-state systems

Speakers

Bhupendra Nath Dev (IACS), Prasanta Panigrahi (IISER-Kolkata), Krishnendu Sengupta (IACS), Chiranjib Mitra (IISER-Kolkata), Shyamal Kumar Bhadra (IACS), Sankar De (SINP), Manas Mukherjee (CQT, NUS), Saikat Ghosh (IIT-Kanpur), Subhadeep De (NPL, New Delhi), Sonjoy Majumder (IIT-Kharagpur), Nirmalya Ghosh (IISER-Kolkata), Somobrata Acharya (IACS), Subhadeep Datta (IACS), Biswajit Ray (Calcutta University), Chanchal Chaudhuri (Gourbanga University), Dipankar Bhattacharyya (Santipur College), Surajit Sen (G. C. College, Silchar), Pradip Mandal (Egra Sarada Shashi Bhusan College).

For further details about this program, please visit

<http://iacs.res.in/confworkshop.html>