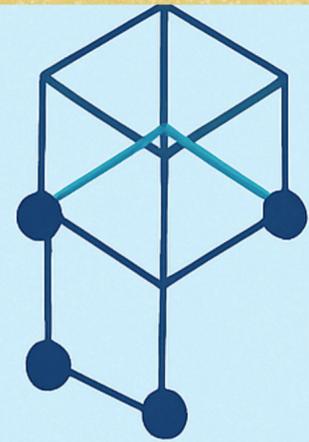
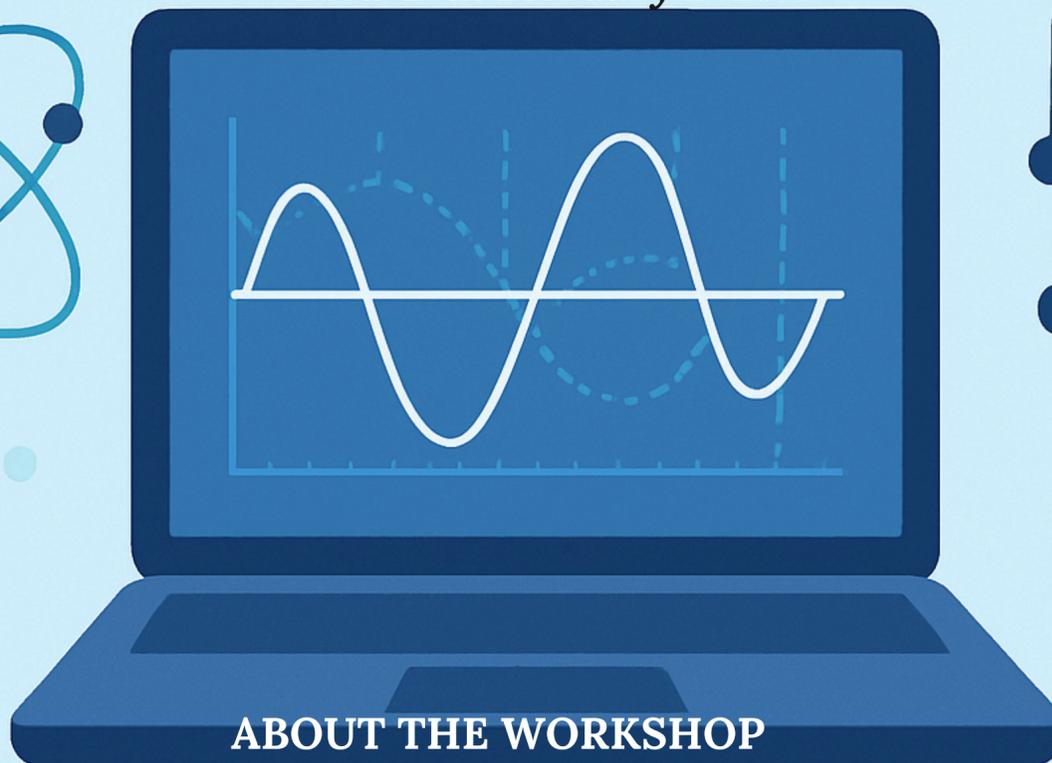
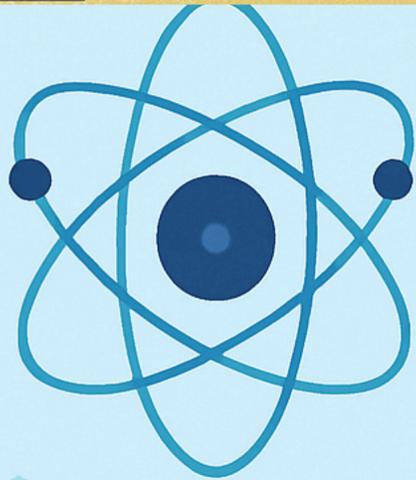


23rd-27th February 2026



**ABOUT THE WORKSHOP**

IUAC is organizing a workshop on In Silico Quantum Modeling Studies to equip researchers, particularly in materials science, with essential computational techniques for studying quantum systems. It features lectures by eminent experts on topics including band structure, density functional theory, modelling of polymers and high pressure, low-dimensional, energy and biological materials, the interface between theory and experiment, and new computing technologies. The lectures are complemented by hands-on computing lab sessions. The software for density functional theory calculations will be Quantum Espresso package. Familiarity with Linux Operating System is a requirement for the hands-on sessions. The participants are required to bring their own laptops with Linux installed on them.

**Topics to be covered**

- Photo-catalytic Applications
- 2D Based Materials for Hydrogen Storage
- Thermoelectric Materials
- Molecular Dynamics of Biomolecules
- Machine Learning in Materials Science
- Radiation Defects in Materials
- High Performance Computing in Quantum Modeling

**Invited Speakers**

- Prof. Ravindra Pandey MTU, USA
- Dr. Puspamitra Panigrahi, HITS Chennai
- Dr. Ashok Kumar, Central University Punjab
- Dr. Arghya Chattaraj, BARC Mumbai
- Dr. Anupam Nath Jha, Tezpur University
- Dr. B. Santhibhushan, IIIT Prayagraj
- Prof. Kavita Joshi, NCL, Pune
- Prof. Ambesh Dixit, IIT Jodhpur
- Prof. Manish Kumar, JNU New Delhi
- Dr. Vinod Jani, CDAC Pune
- Dr. Sujata, Central University of Punjab

**REGISTRATION FEE**

A registration fee of Rs. 2000 per participant, which covers the registration kit and local hospitality, is required to be deposited by the shortlisted candidates.

**IMPORTANT DATES**

Registration Opens	24th December 2025
Registration Closes	12th January 2026
Intimation of selection	16th January 2026
Workshop	23rd-27th February 2026

Scan the following QR code for workshop website:



Note: Travel support & shared accommodation will be arranged for outstation participants.

**VENUE:**  
Seminar Hall,  
Inter-University Accelerator Centre  
Aruna Asaf Ali Marg  
Vasant Kunj, Delhi-110067

**ORGANIZING COMMITTEE**

PROF. RAVINDRA PANDEY, DR. BHUBAN KUMAR SAHU, DR. AMBUJ TRIPATHI, PROF. SIKHA VERMA, DR. SAIF AHMAD KHAN, MR. ABHISHEK KUMAR, DR. MUKESH JAKHAR