

A Two-Day National Level Workshop on the Fundamental Aspects of Nano Horizon



Dates: March 6-7, 2025



Venue: Department of Physics, NU

Organized by the Department of Physics, Nagaland University, Lumami

About the workshop

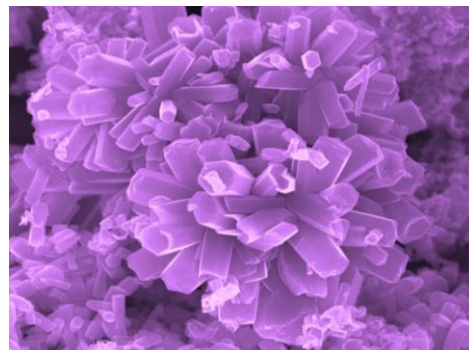
The focus of this workshop is to give an exposure to the early-career research students about certain fundamental aspects of nanoscale systems from a pedagogical point of view. It will cover various interesting theoretical and experimental techniques used to extract intriguing results in low-dimensional nanoscopic systems.

Topics

- Fundamentals of X-ray diffraction technique for characterizing nanoscale materials.
- Various electron microscopy techniques used for nanoscale systems.
- Fundamental idea about quasiperiodic crystals.
- Basic concept of wave localization in nanoscale systems in presence of disorder.
- Topological aspects of condensed matter systems.

Resource persons

- Prof. Ananthkrishnan Srinivasan
Director, CIT Kokrajhar
Senior Professor, Department of
Physics, IIT Guwahati
- Prof. Arunava Chakrabarti
Former Senior Professor,
Department of Physics,
Presidency University, Kolkata



Chief Patron

Prof. Jagadish Kumar Patnaik
Vice-Chancellor, NU

Patron

Prof. M.S. Rawat
Dean, School of Sciences, NU

Organizing Committee

Prof. Y. Sundarayya, Chairman
Dr. N. Shanta Singh, Member
Dr. Ng. Bedamani Singh, Member

Convenors

Dr. Biplab Pal and Dr. Vijeth

The last date of application is
1st March 2025.

The number of attendees is limited. There is no registration fee for attending this workshop. Selected participants must be present in all lecture sessions.

Link for application:

<https://forms.gle/wuCzUFrUCL3xX6wZ7>

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