



21st School on Neutrons as Probes of Condensed Matter

(November 25-29, 2025)



Venue

Training School Hostel, Anushaktinagar, BARC, Mumbai 400085

UGC-DAE Consortium for
Scientific Research, Mumbai Centre

Board of Research in Nuclear Sciences

Organized by

In association with

Solid State Physics Division,
Bhabha Atomic Research Centre

Neutron Scattering Society of India

Patrons

Prof. Kaustubh R. S. Priolkar

Director, UGC-DAE CSR

&

Dr. T. Sakuntala

Associate Director,
Physics Group, BARC

Organizers

Dr. P. D. Babu

Centre-Director,
UGC-DAE CSR, Mumbai Centre

&

Dr. V. K. Aswal

Head, SSPD, BARC

Coordinators

Dr. Sumanta Chattopadhyay

UGC-DAE CSR, Mumbai Centre
&

Dr. Debes Ray

SSPD, BARC

Important dates

Last date for application

21st October 2025

Selection results

29th October 2025

School begins on

25th November 2025

Contact information

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Scope of the School

UGC-DAE Consortium for Scientific Research (CSR) Mumbai Centre and Bhabha Atomic Research Centre, Mumbai, regularly organize schools on "Neutrons as Probes of Condensed Matter" (NPCM) in order to enhance awareness about the neutron scattering techniques and to create a dedicated group of trained researchers for utilizing these research tools. The present school (NPCM-2025) is the 21st in this series and will be held during **November 25-29, 2025** at BARC, Mumbai.

The School will comprise of lectures and hands-on training to cover various aspects of neutron scattering at the National Facility for Neutron Beam Research (NFNBR), Dhruva Reactor, BARC. The lectures will include basics of neutron scattering, structural studies of crystalline, amorphous, and magnetic materials using neutron diffraction, studies of dynamics in condensed matter using neutron inelastic and quasi-elastic scattering, applications of small angle neutron scattering to soft condensed matter, porous materials, nanomaterials etc., and surface and interface studies on thin films and multilayers using neutron reflectometry, among others.

Who can apply?

This school is open to research scholars and faculty from Universities, Institutes and colleges who wish to use neutron scattering techniques in their research areas. Seats are limited; therefore, the selection will be made based on your application and the relevance of neutron scattering studies to your research activities.

Financial support for attending NPCM-2025

Local hospitality will be provided to all the participants. Accommodation will be provided to participants from outside Mumbai. Financial assistance for travel by Govt. transport as per UGC-DAE CSR rules, but limited to 3AC for student & post-doc, and 2AC for faculty, may be available on specific request.

How to Apply?

Interested researchers should apply online on or before 21st October 2025 by filling out the Google form at URL: <https://forms.gle/L7d6uRSUJkFX7ByE6> or by scanning the QR code.

- Applicants need to login to their Gmail account to fill the form.
- Kindly read all the instructions and submit the requisite documents while applying.
- Flyer can be accessed on www.csr.res.in or <https://sites.google.com/view/21st-npcm/home>



Kindly bring this to the attention of your colleagues