

CONFERENCE ON NEUTRON SCATTERING

February 10 - 12, 2014, Indian Institute of Science Education and Research (IISER), Pune

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PRE-CONFERENCE SCHOOL ON NEUTRONS AS PROBES OF CONDENSED MATTER

February 4 - 8, 2014, Bhabha Atomic Research Centre (BARC), Mumbai

A Conference on Neutron Scattering is being organized during February 10 - 12, 2014 at the IISER, Pune. All important aspects of neutron scattering including facilities, science and applications will be covered. There will be contributed poster sessions and invited talks by experts within and outside India.

A Pre-Conference School on Neutron Scattering that includes hands-on experiments is also being organized during February 4 - 8, 2014 at BARC, Mumbai.

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Conference Details

The conference would include the application of neutron scattering to the following topics:

- Strongly Correlated Electron Systems
- Critical Phenomena and Phase Transitions
- Soft Matter and Biological Systems
- Thin Films and Multilayers
- Functional Materials
- Energy and Green Materials
- Nanomaterials
- Neutron Instrumentation

Abstract Submission: The abstract for the conference should be prepared in MS-WORD in single column within 16 cm × 24 cm area of an A4 size paper. Please submit it electronically to Scientific Secretary, Solid State Physics Division, BARC, Mumbai 400 085 at cns2014@barc.gov.in.

Deadline for submission is November 15, 2013.

Registration: The registration fee is required to be paid by all the participants at the Conference venue.

Students : ₹ 2000
Academic & Govt. Organizations : ₹ 4000
Private Organizations : ₹ 8000
Foreign Delegates : US\$ 400

Financial Support: TA/DA may be given to a few deserving research scholars and associates depending on the availability of funds. Request for financial assistance, along with a certificate from the Head of Department of the parent institute clearly stating that the participant has no access to funds from any other source, must be sent to Scientific Secretary.

Accommodation & Local Arrangements: Contact Local Convener at cns2014@iiserpune.ac.in

Details for the Neutron School

UGC-DAE CSR and BARC have been regularly organizing Workshops/Schools on neutron scattering in order to enhance awareness and train university scientists and students in the field of neutron scattering and to create a dedicated group of researchers in this field. The present school is sixteenth in this series and will be held at BARC, Mumbai. The participants of this school will have an opportunity to carry out neutron scattering experiments at Dhruva reactor, BARC, in addition to regular theory lectures.

The course will consist of theory lectures and experiments covering various aspects of neutron scattering. The lectures will include, in addition to the basics of neutron scattering, topics like structural studies of crystalline, amorphous and magnetic materials using neutron diffraction, studies of dynamics in condensed matter using neutron inelastic and quasielastic 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.

This School is open to research workers from universities and research institutes who wish to use neutron scattering techniques in their research areas. Interested persons may apply in proper application form, which is available at www.csr.res.in or www.barc.gov.in/symposium.

Local hospitality will be provided to all participants. Financial assistance for travel by train will be provided upon specific request. It will be limited to maximum of 2AC for faculty and 3AC/SL for students. All the participants of the workshop are encouraged to attend the Conference on Neutron Scattering to be held at IISER, Pune during February 10-12, 2014 (see Conference details above).

Applications should reach somdatta@barc.gov.in on or before November 15, 2013.

Coordinators: Dr. Som Datta Kaushik, UGC-DAE CSR, Mumbai Centre, R-5 Shed, BARC, Mumbai 400 085 & Dr. Amit Kumar, Solid State Physics Division, BARC, Mumbai 400 085

Sponsored by Board of Research in Nuclear Sciences

Organized by BARC, UGC-DAE CSR and IISER Pune

In association with Neutron Scattering Society of India

www.barc.gov.in/symposium

www.csr.res.in

www.nssi.iitm.ac.in

