



7th Conference on Neutron Scattering

Organized by Solid State Physics Division, Bhabha Atomic Research Centre

In Association with Neutron Scattering Society of India

25-27, November 2021 (Hybrid mode), Anushaktinagar, Mumbai, India



Scope: Neutron scattering is an indispensable technique for investigating structure and dynamics in condensed matter, covering a vast multidisciplinary research spectrum. Solid State Physics Division is carrying out fundamental research in the area of advance magnetism, structure and dynamics, soft matter, nanostructured materials and thin films primarily using neutron scattering facilities at Dhruva. Aim of this conference, being organized jointly with Neutron Scattering Society of India, is to discuss the recent advances in condensed matter physics research using neutron scattering and current developments on neutron instruments and facilities.

NFNBR: National Facility for Neutron Beam Research (NFNBR) is operated by Solid State Physics Division (SSPD), Bhabha Atomic Research Centre (BARC), Mumbai, for the use of neutrons in condensed matter research. NFNBR has been built around research reactor Dhruva. This facility is being extensively used by several groups of BARC and researchers from various universities/institutions.



NSSI: Neutron Scattering Society of India (NSSI) was formed on 11th June 2008 during a meeting of neutron users at Mumbai with an objective to promote the research and development activities of neutron-scattering science and applications. Another aim to form NSSI was to represent the neutron users in the Asia-Oceania Neutron Scattering Association (AONSA), which is an affiliation of neutron scattering societies.

Organising committee:

S. M. Yusuf, BARC, Mumbai (Chairman), President NSSI
Jitendra Bahadur, BARC, Mumbai (Scientific Secretary)
D. Pandey, BHU, Varanasi & EC member, NSSI
K. G. Suresh, IITB, Mumbai & EC member NSSI
A. Thamizhavel, TIFR, Mumbai & EC member, NSSI
S. L. Chaplot, EC member NSSI, Mumbai
R. Mukhopadhyay, EC member NSSI, Mumbai
J. A. E. Desa, Univ. of Goa, Goa & EC member NSSI
P. D. Babu, UGC-DAE CSR, Mumbai
V. K. Aswal, BARC, Mumbai
Amitabh Das, BARC, Mumbai
P.S.R. Krishna, BARC, Mumbai
S. Mitra, BARC, Mumbai
R. Mittal, BARC, Mumbai
Mala N. Rao, BARC, Mumbai
P. U. Sastry, BARC, Mumbai
Debasis Sen, BARC, Mumbai

Topics: The conference will cover applications of the neutron scattering in the following areas:

Magnetism and Superconductivity
Energy and Green Materials
Soft Matter and Biological Systems
Nanomaterials
Glasses and Liquids
Thin Films and Interfaces
Neutron sources and Instrumentation

Mode of participation: Due to ongoing COVID19 situations the CNS-2021 is planned to be held in hybrid mode. In this mode, local participants from Mumbai will be participating physically, whereas all others will participate virtually via online platform.

Important dates:

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| Abstract submission | 7 October, 2021 |
| Acceptance of abstracts for oral presentation | 20 October, 2021 |
| Registration | 30 October, 2021 |

Venue: The Venue of the conference is Training School Hostel/DAE convention centre, Anushaktinagar, Mumbai. Anushaktinagar, the residential township of Bhabha Atomic Research Centre, is located in the Eastern Suburbs of Mumbai.



Abstract: The conference will consist of invited talks and oral presentations. Abstracts should be submitted electronically by sending an email to cns2021@barc.gov.in. It should be prepared in MS-WORD in single column in A4 size with page margins of 25 mm all around and typed using Times New Roman font with single line spacing. The length of the abstract is limited to one page including figures and tables. Oral presentations will be selected from the submitted abstracts. There will be no poster session due to hybrid mode of the conference, however all the participants submitting the abstracts can register to attend the conference.

Registration: There is no registration fee. The deadline for the registration is 30th October, 2021.

Contact :

Dr. S. M. Yusuf (**Chairman**)
Solid State Physics Division, Bhabha Atomic Research Centre, Mumbai, India

Dr. Jitendra Bahadur (**Scientific Secretary**)
Solid State Physics Division, Bhabha Atomic Research Centre, Mumbai, India
Email: cns2021@barc.gov.in, jbahadur@barc.gov.in
Tel: 022-25596281

For more details visit: <http://barc.gov.in/symposium/>

Online Platforms: WebEx meetings, YouTube

