



# Thematic Workshop on Advanced Probes for Materials Structure



Organized by

**UGC-DAE Consortium for Scientific Research, Mumbai Centre, Mumbai, Maharashtra  
and  
Department of Physics, North Orissa University, Baripada, Odisha**

**November 2-3, 2017**

**Department of Physics, North Orissa University, Baripada, Odisha**

## PATRONS

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Vice Chancellor, North Orissa University

**Dr. A. K. Sinha**

Director, UGC-DAE CSR

## Organizing Committee

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**Dr. S. Rayaprol**

UGC-DAE CSR, Mumbai

**Dr. I. Naik**

Department of Physics,  
North Orissa University

**UGC-DAE Consortium for Scientific Research (CSR), Mumbai Centre** and Department of Physics, North Orissa University, Baripada are organizing a two day thematic workshop on advanced probes for structure and physical property correlation in materials science using highly sophisticated research facilities that are available at different centres of the CSR and also at various centres of the Department of Atomic Energy (DAE) which are accessible through CSR like Dhruva reactor at BARC Mumbai, Indus synchrotron at RRCAT Indore, and VECC at Kolkata.

The North Orissa University (NOU) was established in 1998. The university is accredited by National Assessment & Accreditation Council (NAAC), Bengaluru with B+ grade. The territorial jurisdiction of the university covers Mayurbhanj and Keonjhar districts of northern part of Orissa. There are 80 affiliated colleges, catering to the demand of higher education. As development depends crucially upon human capital, NOU acts as a beacon light to this region so as to pull up the underprivileged youth to the national mainstream of art, culture, science and technology.

### About the workshop

The workshop will emphasize on the utilization of neutron scattering facilities at the National Facility for Neutron Beam research (NFNBR), Dhruva Reactor, BARC for condensed matter studies under different sample environments such as low temperature and high magnetic fields. Complementary studies such as AC susceptibility, magneto-resistance and magnetization studies using vibrating sample magnetometer (VSM), broadband dielectric spectroscopy and other techniques will be covered. Overview of facilities at Indore and Kolkata centres of CSR including the utilization of INDUS synchrotron radiation at RRCAT, Indore and accelerated ions from VECC Kolkata, and at the Kalpakkam Node at IGCAR will also be presented.

Faculty members and research scholars from universities and colleges who are interested in participating in the workshop may apply to the coordinators below by Email giving the following details in MS Word or PDF format. (i) Name, (ii) Gender, (iii) Designation and age, (iv) Affiliation, (v) Address for correspondence with ph no and email address, (vi) Current area of research, (vii) List of related publications (viii) Recommendation from supervisor in case of student, (ix) Information on whether the applicant has attended any of the UGC-DAE CSR workshops held earlier, (x) Whether accommodation and financial assistance is required, for travel to attend the workshop. Participants are expected to attend all sessions of the workshop. Local hospitality will be provided. Financial assistance for travel by govt. transport as per CSR rules but limited to 3AC for students and 2AC for faculty will be provided on specific request.

**APPLICATIONS  
BY EMAIL ONLY  
LAST DATE:  
OCTOBER 07, 2017**

### Coordinators

**Dr. S. D. Kaushik**, UGC-DAE CSR, Mumbai Centre, R-5 Shed, BARC, Mumbai- 400 085  
Tel: 022-25594727, Fax: 022-25505402, Email: [sdkaushik@csr.res.in](mailto:sdkaushik@csr.res.in)/[somdatta@barc.gov.in](mailto:somdatta@barc.gov.in)

**Dr. I. Naik**, Department of Physics, North Orissa University, Baripada, Odisha

Tel: 09437774653, Email: [indrajit\\_naik@yahoo.co.in](mailto:indrajit_naik@yahoo.co.in)