



WORKSHOP ON

CHARACTERIZATION OF MAGNETIC MATERIALS

organized by

UGC-DAE Consortium for Scientific Research, Mumbai Centre

&

National Institute of Technology Nagaland, Dimapur

November 27 - 29, 2019

Venue : National Institute of Technology Nagaland, Dimapur, Nagaland



PATRONS

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UGC-DAE Consortium for Scientific Research (CSR) is an Inter-University Centre (www.csr.res.in) established by the University Grants Commission and provides access to the advanced research facilities of the Department of Atomic Energy (DAE). Research on magnetism and magnetic materials is one of the prime research areas undertaken at CSR. Several Low Temperature High Magnetic Field (LTHM) facilities are available for university users. **CSR Mumbai Centre** provides university scientists and students access to the National Facility for Neutron Beam Research (NFNBR) at Dhruva reactor which is a large scale DAE facility and where the Centre has set up a high resolution neutron powder diffractometer. This diffractometer can be used with special sample environment for carrying out neutron diffraction experiments at low temperatures and high magnetic fields. The Centre has also set up advanced facilities for magnetic materials characterization. All the facilities of the centre can be utilized through the Collaborative Research Scheme (CRS) program of the Consortium.

National Institute of Technology Nagaland, an Institute of National Importance, is a higher education technical institute located at Chumukedima, Dimapur, Nagaland. It is one among the ten newly approved NITs which started functioning from the academic year 2010. Institute presently offers BTech, MTech, MSc, BSMS and PhD degree programs in all branches of Science and Engineering. Faculties of NIT are actively engaged in carrying out research using facilities available through UGC-DAE CSR among other national facilities.

About the workshop

UGC-DAE CSR Mumbai Centre in association with **National Institute of Technology Nagaland, Dimapur** is organizing a three day workshop on characterization of magnetic materials. The workshop is intended primarily for young researchers who work on magnetic materials and wish to improve their understanding of the fundamentals and use of different characterizing techniques. Workshop is designed to provide a good mixture of lectures as well as hands-on training on data analysis through tutorial sessions. Some topics to be covered during the workshop are: fundamentals of magnetism, different methods of characterizing magnetic materials, Rietveld refinement of powder neutron diffraction data using FullProf, magnetic structure determination, etc.

Faculty members, scientists and research scholars from universities, colleges and other Institutes, interested in attending this workshop are encouraged to write to us through **email only** giving details: Name, Designation, Affiliation, Address for correspondence with contact phone & mobile number, email ID, research interest and experience, list of related publications, recommendation letter from guide for students and the requirement of financial support. Selected participants will be informed by **email only**. Financial support for selected participants to attend the workshop will be considered on request.

Kindly ensure that your application reaches us **before October 31, 2019** at workshop.csr@gmail.com

APPLICATION **BY EMAIL ONLY**

Email: workshop.csr@gmail.com

LAST DATE: **October 31, 2019**

Conveners

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