

Workshop on Characterization and Modelling of Magnetic Materials 13 – 14 July 2018

Organized by

**Department of Physics,
BITS Pilani Hyderabad
Campus
&
Magnetics Society of India
(MSI), Hyderabad**

About BITS Pilani Hyderabad Campus

Birla Institute of Technology and Science, Pilani - Hyderabad campus is one of the premier technical and science institutes of higher learning in India. It was established by Birla Institute of Technology and Science, Pilani (Rajasthan) as one of its latest campuses in the year 2008. The sprawling campus is built amidst lush greenery spreading over 200 acres of land at Jawahar Nagar, Shameerpet, Hyderabad surrounded by natural beauty. The campus is about 70 km away from Rajiv Gandhi International Airport, Shamshabad and 25 km from Secunderabad railway station. The campus is easily accessible by road with a bus stop just outside the campus. Public transport (route# 212) runs every one hour from Secunderabad to the campus.

About Magnetics Society of India (MSI)

MSI a national forum exclusively for magnetics was established as a registered professional body in the year 1973 at DMRL, Hyderabad. Late Dr. R. V. Tamhankar was the founder president of the society. The main objective of

MSI is to bring together all those who work in the area of magnetics and its allied branches. For the dissemination of information on the magnetics, MSI encourages hosting workshops, seminars and conferences at different places in the country. The society has nearly 63 Patron members and about 754 Life members.

About the Workshop

Magnetic materials, ranging from bulk to nanoscale have tremendous applications in transformer cores, magnetic random access memories (MRAM), spintronics, sensors for NDT, bio applications, etc. Understanding the behavior of Magnetic materials is crucial for many applications. Experimental characterization and micromagnetic simulations will take us a long way in understanding the behavior of magnetic materials.

The two-day workshop will cover -

➤ Different techniques available to characterize magnetic materials.

Ex: Microscopic neutron diffraction, XMCD, MOKE, etc

➤ Different modelling tools for magnetic materials.

DFT, Micromagnetic simulations, etc

List of speakers will be updated in the website.

Target Audience

The workshop will be beneficial to research scholars, academicians, and researchers from industry.

Registration

Fee for research scholars: **Rs. 2000**

Fee for academicians and industry people:

Rs. 2500

Total number of participants will be restricted to 50. Participants will be selected on first come first serve basis.

Remittance of registration fee can be done online. No spot registration will be entertained.

Start date for registration: **1st June 2018**

Last date for registration: **7th July 2018**

Online payment procedure

➤ Click the link provided below -

<https://www.onlinesbi.com/prelogin/icollecthome.htm>

➤ Read the terms and conditions. Select the check box at the bottom and click on proceed tab.

➤ Select state as 'Telangana' from the combo-box 'State of corporate/Institutions'.

➤ Select 'Type of Corporate/Institution' as 'Educational Institutions' & click GO.

➤ Select 'BITS-PILANI Hyderabad Campus' from the 'Educational Institutions Name' & click SUBMIT.

➤ Select any one of the 'Payment Category' starting with **CMMM 2018** from the combo provided.

➤ Kindly fill all details in the form provided and make the payment.

➤ Confirm the payment and registration details in the following link.

https://docs.google.com/forms/d/e/1FAIpQLSevfPv39y0COa3qvgS0c0pwOFvv64EBvne8Oo5ZMIPy2Ehgyg/viewform?usp=pp_url

Accommodation

Free hostel accommodation will be provided to participants.

Advisory Committee

Prof. G. Sundar, Director, BITS Pilani
Hyderabad Campus

Shri S. G. Bhat, President, MSI

Dr. S. Pandian, Secretary, MSI

Prof. Niranjan Swain, Dean, BITS Pilani
Hyderabad Campus

Organizing Committee

Dr. P. K. Thiruvikraman, Head, Department of
Physics

Dr. V. Satya Narayana Murthy, Coordinator

Dr. Kannan Ramaswamy, Co-coordinator

Contact Email

satyam@hyderabad.bits-pilani.ac.in

p20170444@hyderabad.bits-pilani.ac.in

Ph: 7013544349, 9248007774, 9603716097