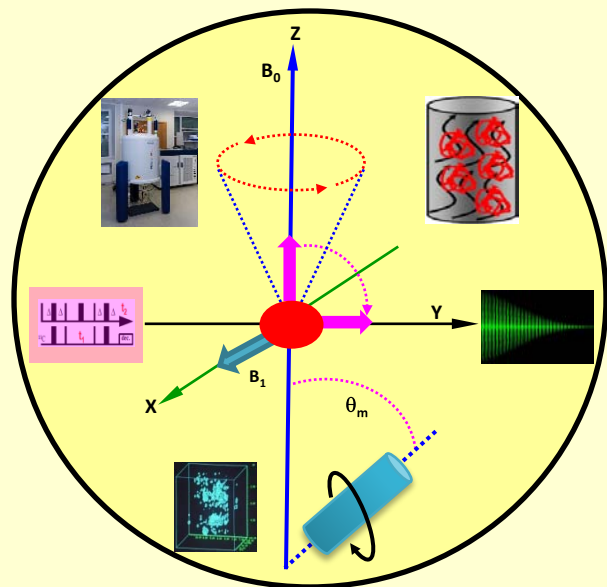


National Workshop on

Nuclear Magnetic Resonance (NMR) Spectroscopy



25-27, February 2015

Organized by

Sophisticated Analytical Instrument Facility (SAIF)
Indian Institute of Technology, Madras
Chennai -600036



Contact Us

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About SAIF, IIT Madras

The Sophisticated Analytical Instrument Facility (SAIF), formerly known as Regional Sophisticated Instrumentation Centre (RSIC) at the Indian Institute of Technology Madras, Chennai is the first among the RSIC's established by the Department of Science and Technology (DST), Government of India. The facility is well-equipped with sophisticated analytical instruments to carry out spectral measurements, structure determination and chemical analysis. In addition to providing high quality spectra / data to the scientific community for their research, SAIF IITM regularly organizes workshops and short term courses on the theory and applications of various advanced level techniques to create better awareness among users of the facility.

About the Workshop

This workshop will deal with the theory, instrumentation and applications of modern NMR spectroscopic techniques, starting from fundamentals to the most advanced levels. Eminent speakers from IIT Madras and other National Institutions will deliver lectures on various topics. Demonstration of the complete capabilities of the Bruker AVIII 500 MHz NMR instrument including setting up of various experiments, processing and interpretation of the data will also be done.

Who will Benefit:

PhD scholars and R&D scientists from both academia and industry are encouraged to apply. Young faculty members of Colleges and University departments who are interested in using NMR spectroscopy in their research are also welcome. The maximum number of participants is restricted to twenty.

How to Apply

Please visit our website (www.saif.iitm.ac.in) for online registration

Workshop Topics

- High Resolution NMR – Theory
- Applications of 1D NMR
- Dynamic NMR
- Two Dimensional NMR Techniques
- Basic Instrumentation of NMR
- Biomolecular (3D) NMR Spectroscopy
- NMR data Interpretation
- Solid State NMR
- Recent developments in NMR

List of Speakers

- Prof. S. Subramanian, IIT Madras
- Prof. N. Chandrakumar, IIT Madras
- Prof. S. Sankararaman, IIT Madras
- Prof. P.K. Madhu, TIFR Mumbai
- Dr. S. Ganapathy, NCL Pune
- Prof. Hanudatta S. Atreya, IISc Bangalore
- Dr. Vinesh Vijayan, IISER Thiruvananthapuram
- Dr. G. M. Raghav, Bruker India Scientific Pvt. Ltd..

Registration fees

The fees for the workshop is Rs. 5,000 for students and research scholars, Rs.10,000 for faculty members and scientist from academia and Rs. 15,000 for participants from industry (inclusive of course materials, lunch and refreshments). The fees must be paid in advance by a demand draft drawn in favour of "The Registrar, IIT Madras" and should be sent to "The Head, SAIF, IIT MADRAS, Chennai-600036" on or before 13-02-2015. All participants are requested to make their own arrangements for travel and accommodation.