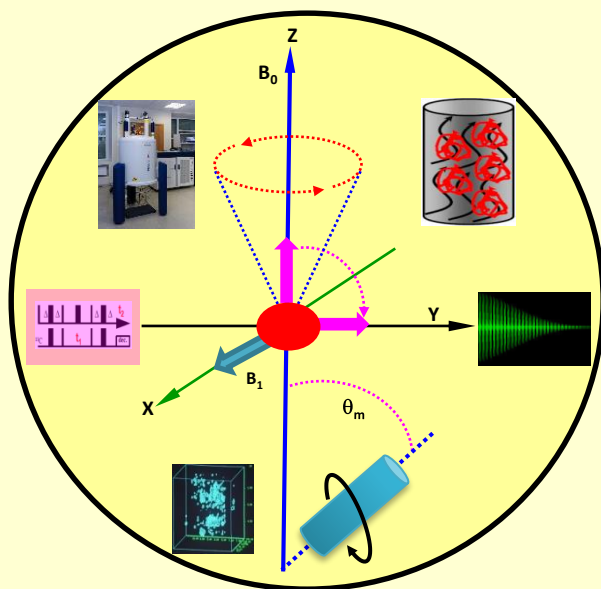


National Workshop on

Nuclear Magnetic Resonance (NMR) Spectroscopy



05-07 March, 2018

Contact Us

The Head
Sophisticated Analytical Instrument Facility
IIT Madras, Chennai- 600036, Tamilnadu, India
Email: saifhead@iitm.ac.in,
Phone: 044-2257- 4935 / 4936
Fax: 044-22570545
Website: <http://www.saif.iitm.ac.in>

Corporate Sponsor



Organized by

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

www.saif.iitm.ac.in

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 & AVIII HD 500MHz NMR instruments 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.

For more details /clarifications, please contact,

Dr. C. Baby (cbaby@iitm.ac.in)

Prof. S. Subramanian (subukannan@iitm.ac.in)

Topics

- High Resolution NMR – Theory
- Applications of NMR
- Two Dimensional NMR Techniques
- Basic Instrumentation of NMR
- Interpretation of 1D & 2D NMR spectra
- Solid State NMR
- Dynamic Nuclear Polarization (DNP)
- Metabonomics

List of Speakers

- Prof. S. Subramanian, IIT Madras
- Prof. N. Chandrakumar, IIT Madras
- Prof. S. Sankararaman, IIT Madras
- Prof. H.S. Atreya, IISc Bangalore
- Dr. S. Ganapathy, NCL Pune
- Dr. C. Baby, IIT Madras
- Dr. S. Srinivasan, IIT Madras
- Dr. Nitin P. Lobo, CLRI, Chennai

Registration Fees

The fees for the workshop is Rs. **5,000** research scholars, Rs.**10,000** for faculty members and scientist from academia and Rs. **20,000** for participants from industry (inclusive of course materials, lunch and refreshments). The fees must be paid either through **DD** drawn in favor of “**CCE, IIT Madras**”, payable at SBI IIT Madras Branch, Chennai or through **online transfer** to the following Account.

Account Name: CCE IIT Madras

Account Number: 36401111110

Bank Name: SBI, IIT Madras

Bank IFSC Code: SBIIN0001055

SWIFT Code: SBININBB453

All participants are requested to make their own arrangements for travel and accommodation

The last date for receiving online application is 15-02-2018.