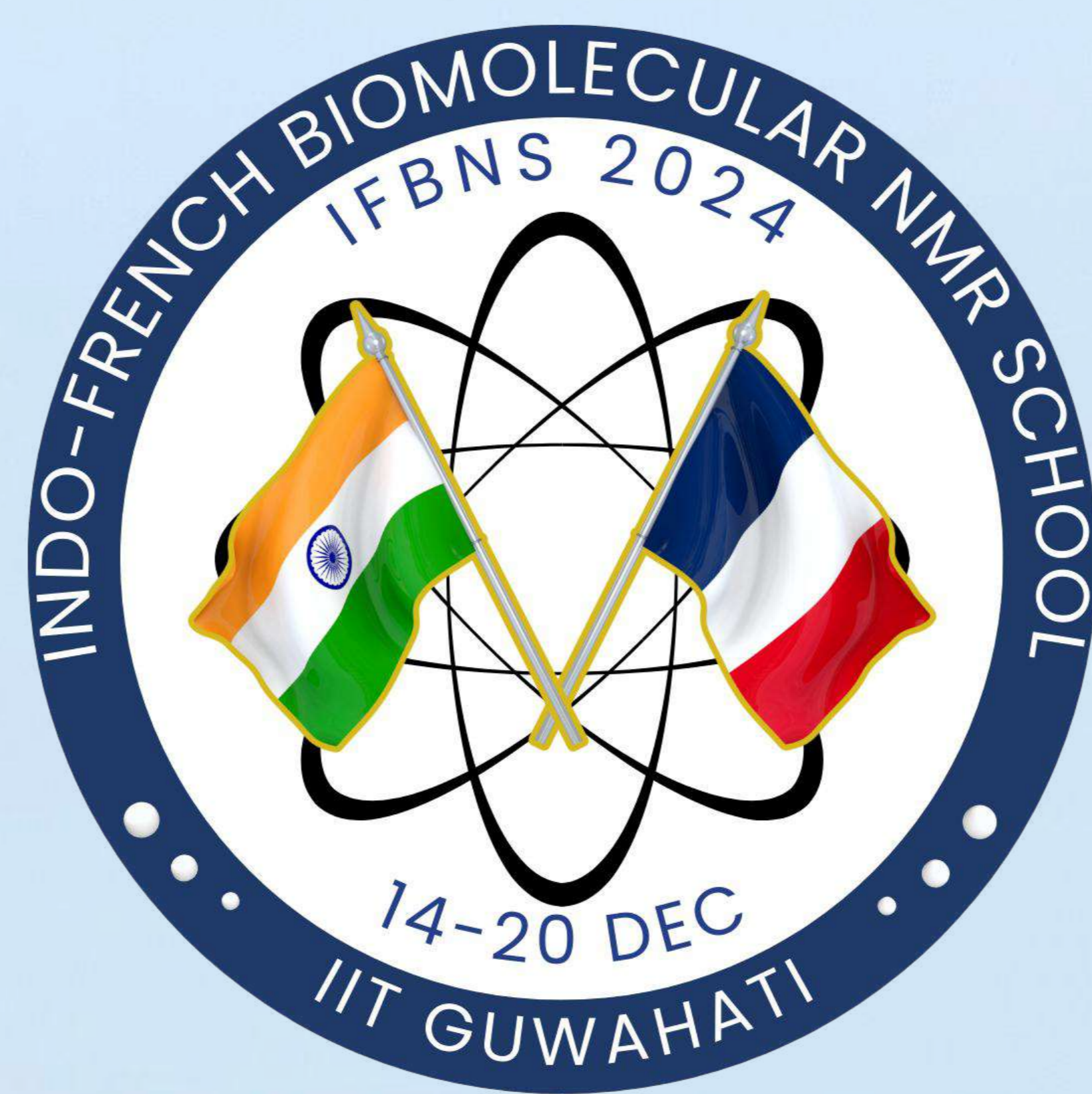


विज्ञान एवं प्रौद्योगिकी विभाग
DEPARTMENT OF
SCIENCE & TECHNOLOGY



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Indo-French Biomolecular NMR Winter School

Theory and Practice for Integrative Structural Biology

Dec 14-20, 2024 **Venue: IIT Guwahati, Assam, India**

CEFIPRA Supported School Highlights

1. In-depth understanding of biomolecular NMR
2. Theory of NMR relaxation methods
3. Hands-on experience with NMR
4. Integrative Structural Biology methods & applications
5. Interaction with leading experts
6. Networking opportunities & potential collaboration
7. Poster and Oral presentations, Excursion & Cultural event
8. Certificate of participation

Organizing Committee

Prof. Devendra Jalihal, Director, IIT Guwahati
Patron

Prof. Rakhi Chaturvedi, Head, BSBE, IIT Guwahati
Chairperson

Dr. Sulakshana P. Mukherjee, IISER Berhampur
Member

Dr. Francois-Xavier Theillet, CNRS, Paris
Co-Coordinator

Dr. Himanshu Singh, IIT Guwahati
Coordinator/Convener

*Faculty members of Department of Biosciences
and Bioengineering, IIT Guwahati*

Speakers

Lionel Imbert, France

Jerome Boisbouvier, France

**Theillet Francois-Xavier,
France**

Benjamin Bardiaux, France

Nadia Izadi-Pruneyre, France

Favier Adrien, France

Bouvignies Guillaume, France

Tatyana Polenova, US

**Ayyalusamy Ramamoorthy,
US**

Haribabu Arthanari, US

Asif Equbal, Abu Dhabi

Mike Williamson, UK

Mehdi Mobli, Australia

**Christian Griesinger,
Germany**

Rasmus Linser, Germany

N Suryaprakash, India

Ramakrishna V Hosur, India

Vipin Agarwal, India

Himanshu Singh, India

Sulakshana Mukherjee, India

**Shanti Swaroop Srivastava,
India**

Shiv Meena, India

Neel S Bhavesh, India

Ashok Sekhar, India

Soumya De, India

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For regular updates or queries:

<https://www.hsingh-lab.com/bio-molecular-nmr-school>

Official mail: ifbns@iitg.ac.in

Supported by

Indo-French Centre for the Promotion of Advanced Research (IFCPAR/CEFIPRA)

Indo-French workshop on Classical and quantum dynamics in out of equilibrium systems

Recently a joint Indo-French international research project (IRP) on "Classical and quantum dynamics in out of equilibrium systems" was proposed between several laboratories of theoretical physics in France and in India. CNRS has approved this project whose Principal Investigators are Satya Majumdar (LPTMS), Gregory Schehr (LPTHE), Gautam Mandal (TIFR) and Manas Kulkarni (ICTS). The goal of the CEFIPRA supported workshop is to bring together people within this Indo-French international research project (and people not involved directly in the project) so that they can identify areas of common interests leading to possible future collaborations.

There is much interest on the French side, in CNRS as well as at the higher levels of the French government, to increase the level of scientific cooperation between France and India. Invited participants, both on the Indian and on the French side, are specialists of the wide and rapidly evolving field of classical and quantum dynamics in out of equilibrium systems. This workshop is expected to be a major step forward in building strong Indo-French academic relations.

Outline of Structure and Format:

The workshop will be structured around relatively short talks. Particular emphasis will be given to discussions among the invited participants during this week.

Tentative topics to be covered include

- 1) some aspects of non-equilibrium statistical physics
- 2) dynamics in quantum many-body systems
- 3) long-range interactions
- 4) quantum resetting
- 5) generalized Gibbs ensembles
- 6) phase space quantum dynamics
- 7) quantum measurement theory

Participation: By invitation only.

Accommodation will be provided for outstation participants at our on campus guest house.

Inaugural talks |

ALBERTO ROSSO (CNRS, Director of LPTMS, France)
GAUTAM MANDAL (Chair, DTP, TIFR Mumbai, India)
NICOLAS GHERARDI (French Institute In India, Embassy of France)
NITIN SETH (Director, CEFIPRA/IFCPAR, India)
PRAVEEN K SOMASUNDARAM (DST)
RAJESH GOPAKUMAR (Director, ICTS-TIFR, India)
THIERRY DAUXOIS (CNRS, Director of CNRS Physique, France)

List of speakers |

ALEKSANDRA PETKOVIĆ
ALEXIS PONCET
AMIT GHOSAL
ANUPAM KUNDU
ARNAB PAL
ARTI GARG
BHARGAVI SRINIVASAN
CAMILLE ARON
CHANDAN DASGUPTA
DARIO VINCENZI
DAVID S. DEAN
DEEPAK DHAR
DIBYENDU DAS
DIPTARKA DAS
FABIEN ALET
HERBERT SPOHN
JACOPO DE NARDIS
JEAN-MARIE STÉPHAN
JÉRÉMIE BEC
JULIANE KLAMSER
KABIR RAMOLA
KEDAR DAMLE
KIRONE MALLICK
KRISHNENDU SENGUPTA
LAURA FOINI
LOGANAYAGAM R
MANON MICHEL
MARCO PICCO
MUSTANSIR BARMA

NICOLAS LAFLORENCIE
PARONGAMA SEN
PATRIZIA VIGNOLO
PINAKI CHAUDHURI
R. RAJESH
RAHUL PANDIT
RAMA GOVINDARAJAN
SAMRIDDI SANKAR RAY
SANJIB SABHAPANDIT
SHAMIK GUPTA
SPENTA R. WADIA
SRIKANTH SASTRY
SRIRAM RAMASWAMY
STHITADHI ROY
SUBHRO BHATTACHARJEE
SUMEDHA
SUPRIYA KRISHNAMURTHY
TRIDIB SADHU
URNA BASU
VALENTINA ROS
VIVIEN LECOMTE

Organisers |

ABHISHEK DHAR
ALBERTO ROSSO
GAUTAM MANDAL
GREGORY SCHEHR
MANAS KULKARNI
SATYA N. MAJUMDAR

16-20 December 2024
Ramanujan Lecture Hall

ICTS is committed to building an environment that is inclusive, non-discriminatory and welcoming of diverse individuals. We especially encourage the participation of women and other under-represented groups.

<https://www.icts.res.in/program/IFCQM>

ifcqm@icts.res.in



INDO-FRENCH WORKSHOP



INNOVATIVE NUMERICAL METHODS FOR MODERN ENGINEERING PROBLEMS

Date: 06-10th January 2025 | Venue: Department of Mathematics



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DEPARTMENT OF
SCIENCE & TECHNOLOGY

COORDINATORS



Prof. Ram Jiwari
IIT Roorkee
Indian coordinator



Prof. Alexandre Ern
ENPC and INRIA Paris
French coordinator

EXPERT SPEAKERS



Prof. Amiya K. Pani
IIT Bombay



Prof. Bruno. Després
Sorbonne University, Paris



Prof. S. Lemaire
Researcher, INRIA Lille



Prof. T. Gudi
IISC Bangalore



Moreno Pintore
Researcher, Sorbonne University
and INRIA Paris



Prof. Z. Dong
Researcher, INRIA Paris



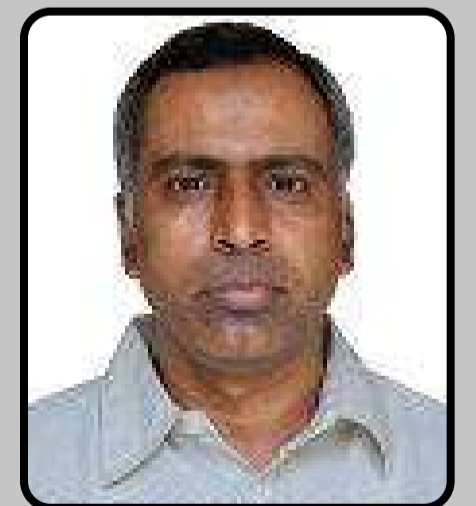
Prof. Neela Nataraj
IIT Bombay



Prof. Asha Dond
IISER Thiruvananthapuram



Prof. Naresh Kumar
NIT Jalandhar



Prof. Srinivasan Natesan
IIT Guwahati

THEMATIC AREAS

- Numerical analysis and computational algorithms for PDEs
- Finite element methods: theory and computation
- Polytopal methods such as discontinuous Galerkin (dG) methods, hybrid high-order (HHO) methods, virtual element methods (VEMs)
- Error control and mesh adaptivity driven by a posteriori error estimators
- AI-enhanced numerical simulations for PDEs

Sponsored by : Indo-French Centre for the Promotion of Advanced Research (IFCPAR/CEFIPRA)



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Organization Support: Department of Mathematics, IIT Roorkee

Indo-French Seminar on (Macro)molecular Assembly and Materials (MAM)

Polymer Chemistry; Supramolecular Chemistry; Self-Assembly; Functional Materials

CEFIPRA-sponsored MAM-meeting will deliberate on precision polymer and supramolecular synthesis, bio-inspired (macro)molecular assemblies and emerging organic materials for optoelectronic and biomedical applications. This bilateral event brings together experienced as well as young researchers from France and India to facilitate brainstorming on contemporary scientific problems and promoting future collaborations for insightful manifestation of creativity to address complex research problems in (Macro)molecular Sciences and beyond.

Speakers

Jean-Marie Lehn, ISIS, Strasbourg (Nobel Laureate) (Plenary Speaker) (Online talk)	A. Das, IACS, Kolkata	S. Acharya	
C. Bonduelle, LCPO, Bordeaux	L. Charles, ICR, Marseille	A. Pal, INST, Mohali	S. Bhattacharya, IISER Tirupati
C. Thomas, Chimie Paris Tech, Paris	L. Jierry, ICS, Strasbourg	D. Chaudhuri, IISER Kolkata	S. Ghosh, IACS, Kolkata
D. Gigmes, ICR, Marseille	M. Destarac, IMRCP, Toulouse	M. Jayakannan, IISER Pune	S. J. George, JNCASR, Bangalore
D. Taton, LCPO, Bordeaux	P. Lacroix-Desmazes, ICG, Montpellier	N. Madhavan, IIT, Bombay	S. K. Asha, NCL, Pune
F. D'Agosto, LCPP, Lyon	R. Nicolaÿ, ESPCI, Paris	P. Dastidar, IACS, Kolkata	S. K. Mandal
J. Rumeau, INSA, Lyon	A. Ajayaghosh, SRM, Chennai	P. De, IISER Kolkata	S. Ramakrishnan, IISc, Bangalore
J.-F. Lutz, ISIS, Strasbourg	L. Charles, ICR, Marseille	R. K. Roy, IISER Mohali	U. Maitra, IISc, Bangalore
J.-F. Nierengarten, LIMA, Strasbourg	A. Banerjee, IACS, Kolkata	R. Varghese, IISER Trivandrum	

Conveners

Jean-François Lutz
ISIS, Strasbourg, France
jflutz@unistra.fr

Suhrit Ghosh

IACS, Kolkata, India
psusg2@iacs.res.in

Venue

Four Points by Sheraton
Mahabalipuram Resort &
Convention Center, Tamil
Nadu, India

January 12-14, 2025

Indo-French Seminar on (Macro)molecular Assembly and Materials (MAM)

Plenary Lecture

Dynamic Materials Towards Functional Adaptive Materials

by

Jean-Marie LEHN

ISIS, Université de Strasbourg, France

The Nobel Prize in Chemistry 1987 was awarded jointly to Donald J. Cram, Jean-Marie Lehn and Charles J. Pedersen "for their development and use of molecules with structure-specific interactions of high selectivity"



Conveners

Jean-François Lutz
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psusg2@iacs.res.in

Venue

Four Points by Sheraton
Mahabalipuram Resort &
Convention Center, Tamil
Nadu, India

January 12-14, 2025