



భారతీయ సాంకేతిక విజ్ఞాన సంస్థ హైదరాబాద్
भारतीय प्रौद्योगिकी संस्थान हैदराबाद
Indian Institute of Technology Hyderabad



TATA INSTITUTE OF
FUNDAMENTAL RESEARCH

2nd Indo-French Workshop on Light-Matter Interaction

September 1 – 3, 2025, TIFR-Hyderabad Auditorium



Industrial partners:



2nd Indo-French Workshop on Light-Matter Interaction, September 1 – 3, 2025

September 1

Intense laser-matter interaction				Ultrafast dynamics in condensed phase			
9:00 – 9:30	9:30 – 9:40	9:40 – 10:00	10:00 – 10:20	10:20 – 10:40	10:40 – 11:00	11:00 – 11:20	11:20 – 12:00
Tea // Welcome	Introduction by TIFR-H Director	Jerome FAURE LOA	Prashant SINGH TIFR-H	Jaismeen KAUR LOA	Arijit DE IISER-M	Alexie BOYER IPCMS	Discussions
12:00 – 13:00 LUNCH BREAK	13:30 – 13:40 Laser Science		Ultracold systems		High-resolution spectroscopy		15:20 – 15:50 Discussions
	13:00 – 13:30	13:40 – 13:50	14:00 – 14:20	14:20 – 14:40	14:40 – 15:00	15:00 – 15:20	
	CNRS International	Edmund Optics Advanced Photonics	Fabien BRETENAKER LUMIN	Sanjukta ROY RRI	Sandrine GALTIER iLM	Pranav SHIRHATTI TIFR-H	
Attosecond science: theory		Strong-field processes					19:30 – 22:00 CONFERENCE DINNER
15:50 – 16:20 COFFE BREAK	16:20 – 16:40	16:40 – 17:00	17:00 – 17:20	17:20 – 17:40	17:40 – 18:10 Discussions		
	Gopal DIXIT IIT-B	Victor DESPRE iLM	Rajarshi SINHA ROY iLM	Rajesh KUSHAWAHA PRL			

2nd Indo-French Workshop on Light-Matter Interaction, September 1 – 3, 2025

September 2

Light-matter interaction in bio-relevant systems

Light-matter interaction in solid state

9:00 – 9:30

Tea

9:30 – 9:50

Isabelle COMPAGNON
iLM

9:50 – 10:10

Shobhna KAPOOR
IIT-B

10:10 – 10:30

Richard BREDY
iLM

10:30 – 10:50

François COURVOISIER
FEMTO-ST

10:50 – 11:10

Sunil KUMAR
IIT-D

11:10 – 12:00

Discussions

12:00 – 13:00

LUNCH BREAK

Ultrafast processes

Astrochemistry

13:00 – 13:20

Vincent LORIOT
iLM

13:20 – 13:40

Arnab KHAN
IISER-B

13:40 – 14:00

Krishnendu GOPE
IISER-Tvm

14:00 – 14:20

Umesh KADHANE
IIST

14:20 – 14:40

Alexandre MARCINIAK
LCAR

14:40 – 15:30

Discussions

15:30 – 16:00

COFFE BREAK

Quantum technology

Early-career researcher session

16:00 – 16:20

Arijit SHARMA
IIT-Tirupati

16:20 – 16:40

Arnaud MUSSOT //
Debanuj CHATTERJEE
PhLAM

16:40 – 17:00

Sreelakshmi PALAKKAL
iLM

17:00 – 17:20

Haritha NAIR
IIT-H

17:20 – 17:40

Ratul SABUI
TIFR-H

17:40 – 18:15

Discussions

September 3

Light-matter interaction @ large-scale facilities

Visit to TIFR-H Laboratories

9:00 – 9:20

Tea

9:20 – 9:40

Alexandre GIULIANI
SOLEIL

9:40 – 10:00

Sivarama KRISHNAN
IIT-M

10:00 – 10:30

Discussions about
Indian user
groups @ SOLEIL

10:30 – 12:00

1. Ultrafast : PKS, RG
2. Spectroscopy : PS
3. NMR

12:00 – 13:00

LUNCH / CONCLUSION