

**The 2nd edition of International Conference on
Emerging Trends in Photodynamics and Photochemistry (ETPP-2026)
March 12 to March 14, 2026,
IISER Mohali, India
Program**

Day 1 (12-03-2026 / Thursday)	
8.30-9.00 am	Registration
9.00-9.15	Inauguration (Welcome address, Messages from the Head of the Department, Chemical Sciences and the Director, IISER Mohali)
Session 1 (9.15-10.55)	
9.15 - 9.55 am	Prof. Vaidhyanathan Ramamurthy, University of Miami, USA Problems in Supramolecular Photodynamics and Photochemistry
9.55 - 10.35 am	Prof. Hirendra Nath Ghosh, NISER Bhubaneswar Ultrafast Charge Carrier Dynamics in Perovskite-based Hetero-structures
10.35 - 10.55 am	Dr. Soumen De, IISER Thiruvananthapuram Communicating with Light: Remote Control of Chirality in Adaptive Supramolecular Architectures
10.55 – 11.20	Tea break
Session 2 (11.20 – 13.00)	
11.20 - 12.00 pm	Prof. J. N. Moorthy, IISER Thiruvananthapuram Rational Development of Photoresponsive Materials for Chirality Sensing, Catalysis and Luminescence
12.00 - 12.30 pm	Prof. N. D. Pradeep Singh, IIT Kharagpur Engineering a Green Fluorescent Protein-Core-Inspired NIR-Photocage: Exploring meso-GFP-PRPG toward Alzheimer's Disease Therapeutics
12.30 - 13.00 pm	Prof. Veerabhadrrao Kaliginedi, IISc Bangalore Molecules as Circuits: Bridging Charge Transport and Chemical Reactivity from Single Molecule Junctions to Large-Area Devices
13.00 – 14.30	Lunch at Lecture Hall Complex Foyer
14.30 – 16.30	Poster session 1 (Posters P-1 to P-33) + Tea break (Lecture Hall Complex Foyer)
Session 3 (16.30 – 19.00)	
16.30 - 17.10 pm	Prof. Ashok K. Ganguli, IISER Berhampur Design of functional nanostructures for imaging and other biomedical applications
17.10 - 17.40 pm	Prof. Tomáš Slanina, IOCB, Prague, Czech Republic Dynamic Covalent and Redox Switching
17.40 - 18.10 pm	Prof. Sriram Kanvah, IIT Gandhinagar Targeted Sub-cellular Visualization with Small Molecule Fluorophores
18.10 - 18.40 pm	Prof. Apurba Lal Koner, IISER Bhopal Ambient Stable Radical Anion of Peryleneimides
18.40 - 19.00 pm	Dr. Indu Bala, IIT Mandi Chiral Photoresponsive Soft Materials for Dynamic Optical Functions
19.30 onwards	Conference Dinner at Lecture Hall Complex Foyer

Day 2 (13-03-2026 / Friday)	
Session 4 (9.00-10.50)	
9.00 - 9.40 am	Prof. N. Sathyamurthy, IISER Mohali Non-adiabatic interactions in chemical dynamics
9.40 - 10.10 am	Prof. Jayaraman Sivaguru, BGSU, USA Lighting Up "Excited" Pathways in Molecules and Materials
10.10 - 10.40 am	Prof. Sudip Chakraborty, HRI Allahabad Rashba and Excitonic Physics in Emerging Materials and Correlations with Light-Matter Interaction: A Computational Insight
10.40 - 10.50 am	Sponsor's talk Merck
Session 5 (11.20 – 13.10)	
11.20 - 12.00 pm	Prof. Holger Bettinger, University Tübingen, Germany Photoisomerization of BN-Benzene for Energy Storage
12.00 - 12.30 pm	Prof. Subrata Ghosh, IIT Mandi Harnessing Light: The Critical Role of Photoresists in Semiconductor Manufacturing
12.30 - 12.50 pm	Dr. Kalaivanan Nagarajan, TIFR Mumbai Vibrational Strong Coupling: A Platform for Tailoring Material Properties
12.50 - 13.10 pm	Dr. Padmabati Mondal, IISER Tirupati Vibronic coupling effects in spectroscopy and photodissociation dynamics of Indole
13.10 – 14.30	Lunch at Lecture Hall Complex Foyer
14.30 – 16.30	Poster session 2 (Posters P-34 to P-67) + Tea break (Lecture Hall Complex Foyer)
Session 6 (16.30 – 19.00)	
16.30 - 17.10 pm	Prof. Anindya Datta, INST Mohali Exciton dynamics in semiconductor nanocrystals: from curiosity to applications
17.10 - 17.40 pm	Prof. Shoubhik Das, Universität Bayreuth, Germany Turning CO ₂ into Opportunity: Designing Catalysts for Versatile Applications
17.40 - 18.10 pm	Prof. Sai Ramesh, IISc Bangalore Dynamics of Excited State Proton Transfer in Selected Molecules
18.10 - 18.40 pm	Prof. Santhosh Babu Sukumaran, NCL Pune Beyond Planarity: Nonplanar Nanographenes with Curvature-Enabled (Chiro)Optical Features
18.40 - 19.00 pm	Dr. Manas Sarangi, IIT Patna Tuning Optoelectronic Properties of Halide Perovskite Nanocrystals with Small Molecules
19.30 onwards	Banquet Dinner

Day 3 (14-03-2026 / Saturday)	
Session 7 (9.00-11.00)	
9.00 - 9.30 am	Prof. Subi J. George, JNCASR, Bangalore Supramolecular Design Strategies to Harness Ambient, Organic Triplets
9.30 - 10.00 am	Dr. Adithya Lakshmana, IISER Thiruvananthapuram Ultrafast Excited-state Dynamics in Photoacids and Photobases Governed by Proton-Coupled Electron Transfer
10.00 - 10.20 am	Prof. Tetsunari Kimura, Kobe University, Japan Molecular mechanism of allocrite transport in ABC transporter revealed by time-resolved spectroscopy
10.20 - 10.40 am	Dr. Rajeev K. Dubey, University of Würzburg, Germany Photofunctional Applications of Arylene Bisimide Cyclophanes
10.40 - 11.00 am	Prof. Eri Chatani, Kobe University, Japan Optical trapping for the formation of a single liquid-like condensate
11.00 – 11.30	Tea break
Session 8 (11.30 – 13.10)	
11.30 - 12.10 pm	Prof. Keisuke Tominaga, Kobe University, Japan THz Molecular Science in Condensed Phases
12.10 - 12.40 pm	Prof. Sachin Dev Verma, IISER Bhopal Coupled interferometric scattering microscopy and fluctuation correlation spectroscopy (iSCAT-FlucCS) to measure in situ growth kinetics and size of silver nanorods
12.40 - 13.10 pm	Prof. J. Nithyanandhan, NCL Pune Self-Assembled and Excitonically Coupled Dyes for Dye-Sensitized Solar Cells
13.10 – 14.30	Lunch at Lecture Hall Complex Foyer
Session 9 (14.30 – 16.10)	
14.30 - 15.00 pm	Dr. Artur Mardyukov, University of Giessen, Germany On-Surface and Matrix-Isolation Strategies for Accessing Elusive Pnictogen–Nitrogen Species
15.00 - 15.20 pm	Dr. Deepak Asthana, Ashoka University, Sonapat Methods to Maximize the Upconversion Quantum Yields in Triplet-Triplet Annihilation-Based Photon Upconversion
15.20 - 15.40 pm	Dr. Pankaj Dubey, UC Berkley From Flavin Photochemistry to Protein Dynamics: Photoactivated Conformational Dynamics in Cryptochrome-4
15.40 – 16.10	Valedictory function
16.10 onwards	Tea and Departure