

International Conference on Photochemistry, Photophysics & Photodynamics (iP³-2026)

23–25 February 2026

Shiv Nadar University, Delhi-NCR, India

Program Schedule



Hosted by: The Department of Chemistry
<https://snuadmissions.com/ip3/ip3.html>

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Abstract Booklet

February 23, 2026 (MONDAY)

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| 8:00-9:00 | REGISTRATION & BREAKFAST |
| 9:00 to 9:30 | INAUGURATION WELCOME BY DEAN/HEAD OF THE DEPARTMENT/CHAIR OF ORGANIZING-INSTITUTION |
| TECHNICAL SESSIONS | |
| SESSION-I (9:30-10:55) | Chairperson: Rupamanjari Ghosh, Former VC, Shiv Nadar IoE, India |
| 9:30-10:05 | Plenary Lecture (PL-01): Gregory D. Scholes, Princeton University, USA Talk Title: Coherence and Ultrafast Dynamics Underpinning Energy Conversion |
| 10:05-10:35 | Keynote Lecture (KL-01): Anna Painelli, Parma University, Italy Talk Title: Supramolecular Chirality |
| 10:35-10:55 | Invited lecture (IL-01): Arijit Kumar De, IISER Mohali, India Talk Title: Probing Vibronic Coupling in Molecules and Materials by Coherent Nonlinear Raman Spectroscopy |
| TEA/COFFEE BREAK (10.55-11.25) | |
| SESSION-II (11.25-13.00) | Chairperson: Dario Bassani, University of Bordeaux, France |
| 11:25-12:00 | Plenary Lecture (PL-02): Jarugu Narasimha Moorthy IISER TVM, India Talk Title: Photoresponsive MOFs and Photocatalytic POPs through De Novo Design of Building Blocks |
| 12:00-12:30 | Keynote Lecture (KL-02): Ranjit Biswas, SNBNCBS, India Talk Title: Continuous Time Random Walk in Ionic Acetamide Deep Eutectics: Emergence of Dynamical Separation of Particles as Glass Transition is Approached |
| 12:30-12:50 | Invited Lecture (IL-02): Tapasi Sen, INST Mohali, India Talk Title: DNA Origami-Based Metal Nanostructure Assemblies: Nano-engineered Single-Molecule Platforms |
| 12:50-13:05 | Invited Short Lecture (SL-01): Partha Pratim Roy, IIT Gandhinagar, India Talk Title: Tailoring Herzberg-Teller Vibronic Interactions in Tetrapyrrole-Based System |

PHOTOSESSION/ LUNCH BREAK (13:05-14:30)

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| SESSION-III (14.30-16.20) | Chairperson: Jochen Feldmann, LMU Munich, Germany |
| 14:30-15:05 | Plenary Lecture (PL-03): Hirendra Nath Ghosh, NISER Bhubaneswar, India Talk Title: Effect of Metal Ion Doping on Perovskite Materials: Defect Mediated Charge Transfer, Energy Transfer and Carrier Mobility |
| 15:05-15:35 | Keynote Lecture (KL-03): Paola Ceroni, University of Bologna, Italy Talk Title: Thermally Activated Delayed Fluorescence Photocatalysts as Sources of Solvated Electrons |
| 15:35-15:55 | Invited Lecture (IL-03): Debashree Ghosh, IACS Kolkata, India Talk Title: Mechanism of Singlet Fission in Carotenoids |
| 15:55-16:10 | Invited Short Lecture (SL-02): Devendra Mani, IIT Kanpur, India Talk Title: Fragmentation Dynamics of Methyl Formate Clusters in Superfluid Helium Nanodroplets |
| 16:10-16:20 | Oral Presentation (OP-01): Swadhin Garain, University of Würzburg, Germany Talk Title: Tailored Supramolecular Nano-environment for Stabilization of Triplet |

TEA/COFFEE and POSTER SESSION I

SESSION-IV
(16:20 - 18:00)

Chairperson: Vijay Kumar / Bimlesh Lochab, SNU Delhi NCR, India

Bus will depart at 18:00 for the Conference Dinner

CONFERENCE GALA DINNER (19.30-22.30)

February 24, 2026 (TUESDAY)

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| 8:00-9:00 | BREAKFAST |
| SESSION-V (9:00-10:50) | Chairperson: Gregory D. Scholes, Princeton University, USA |
| 9:00-9:35 | Plenary Lecture (PL-04): Jochen Feldmann, LMU Munich, Germany Talk Title: Semiconductor Nanocrystals: From Energy Conversion to Polaron Formation |
| 9:35-10:05 | Keynote Lecture (KL-04): Tsuyoshi Kawai, NIST, Japan Talk Title: Enhanced Circularly Polarized Luminescence in Multi-Chromophore Systems |
| 10:05-10:25 | Invited Lecture (IL-04): Amit Nag, BITS Hyderabad, India Talk Title: In-Situ SERS Tracking of Hot-Carrier-Mediated C-C and C-N Coupling on Ag-Based Hybrid Plasmonic Catalysts |
| 10:25-10:40 | Invited Short Lecture (SL-03): Somnath Biswas, TIFR Mumbai, India Talk Title: Observing Exciton-Polaron in 2D Quantum Wells and Semiconductor Materials |
| 10:40-10:50 | Oral Presentation (OP-02): Nivedita Pan, LMU Munich, Germany Talk Title: Ecofriendly I-III-VI QDs as Emerging Optical Gain Material |
| TEA/COFFEE BREAK (10:50 - 11:15) | |
| SESSION-VI (11:15-13:10) | Chairperson: Vijay Kumar, SNU Delhi NCR, India |
| 11:15-11:45 | Keynote Lecture (KL-05): Frank-Würthner University of Würzburg Talk Title: Supramolecular Engineering of Photofunctional Nanosystems |
| 11:45-12:15 | Keynote Lecture (KL-06): Satish Patil, IISc Bangalore, India Talk Title: Tailoring Molecular Structure for Optimized Singlet Fission |
| 12:15-12:35 | Invited Lecture (IL-05): Prasenjit Mal, NISER Bhubaneswar Talk Title: CsPbBr ₃ as Visible-Light Photocatalysis |
| 12:35-12:50 | Invited Short Lecture (SL-04): Nimai Mishra, ICT-IOC Bhubaneswar, India Talk Title: How to Stabilize Perovskite Nanocrystals for Electrocatalytic and Photocatalytic Applications |
| 12:50-13:10 | Invited Lecture (IL-06): Pachaiyappan Rajamalli, IISc Bangalore, India Talk Title: Boron-Nitrogen Functionalized Dibenzo-Xanthene as a Stable Scaffold for Cyan-Blue MR-TADF Emitter |

LUNCH (13:10-14:30)

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| SESSION-VII (14:30-16:00) | Chairperson: Arijit Kumar De, IISER Mohali, India |
| 14:30-15:05 | Plenary Lecture (PL-05): Dario M Bassani, University of Bordeaux, France Talk Title: Emerging Applications of Photocatalysis |
| 15:05-15:25 | Invited Lecture (IL-07): J. Shankar, IISER Bhopal, India Talk Title: Arm-twisted Terrylene Diimide for near-IR Circularly Polarised Luminescence |
| 15:25-15:45 | Invited Lecture (IL-08): Manabendra Chandra, IIT Kanpur, India Talk Title: On the Plausible Role of Optical Dark States in Nanoscale Plexciton Enhanced Photocatalysis |
| 15:45-16:00 | Sponsor Lecture 1: Anatech Laser Instruments Pvt Ltd |

TEA/COFFEE and POSTER SESSION II

SESSION-VIII (16:00- 17:30)

Chairperson: Vijay Kumar / Bimlesh Lochab, SNU Delhi NCR, India

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| SESSION-IX (17:30-19:15) | Chairperson: Ranjit Biswas, SNBNCBS India |
| 17:30-17:50 | Invited Lecture (IL-09): Asif Equbal, NYU Abu Dhabi, UAE Talk Title: Spin Hyperpolarization Using Photo-Activated Systems |
| 17:50-18:10 | Invited Lecture (IL-10): Kalyanashis Sahu, IIT Guwahati, India Talk Title: What Happens When a Halide Perovskite Nanocrystal Meets a Water Nanodroplet? |
| 18:10-18:30 | Invited Lecture (IL-11): Prashant Chandra Singh, IACS, Kolkata, India Talk Title: Understanding of the Arrangement of the Fungicides and its Interaction with Biomolecules using the Vibrational Sum Frequency Generation Spectroscopy Technique |
| 18:30-18:45 | Invited Short Lecture (SL-05): Soumit Chatterjee, ISM Dhanbad, India Talk Title: 5-(tert-butyl)-2-hydroxy-1, 3-isophthalaldehyde (5-tBHI): A Single Benzene-Based Emitter, Useful in Multiple Applications |
| 18:45-19:00 | Invited Short Lecture (SL-06): Manas Kumar Sarangi, IIT Patna, India Talk Title: Directed Energy and Charge Transfer Modulation in Optoelectronics Traits of Halide Perovskite Nanocrystals with Small Molecules |
| 19:00-19:15 | Invited Short Lecture (SL-07): Krishna Kanta Halder, Central Univ. of Punjab, India Talk Title: Nd 2 O 3 -Decorated BiFeO 3 Nanoplates for Efficient Hydrogen Production via Photocatalytic Water Splitting |

DINNER (19.30-21.00 PM)

February 25, 2026 (WEDNESDAY)

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| 8.00-9.00 | BREAKFAST |
| SESSION-X (9:00-10:30) | Chairperson: Pritam Mukhopadhyay, JNU, Delhi |
| 9:00-9:35 | Plenary Lecture (PL-06): George K Thomas, IISER TVM, India Talk Title: From Defects to Function: Engineering High-Performance InP Quantum Dots |
| 9:35-9:55 | Invited Lecture (IL-12): Pradipta Purkayastha, IISER Kolkata, India Talk Title: Dynamic Control of TADF and RTP in Organic Flexible Polymorphic Crystals for Integrated Photonic Circuits |
| 9:55-10:15 | Invited Lecture (IL-13): Jino George, IISER Mohali, India Talk Title: Photophysics of 2D Exciton-Polaritons |
| 10:15-10:30 | Invited Short Lecture (SL-08): Indu Bala, IIT Mandi, India Talk Title: Photoresponsive Molecular and Soft Materials for Energy Storage and Dynamic Optical Functions |
| 10:30-10:45 | Invited Short Lecture (SL-09): Sucheta Mondal, Shiv Nadar University, India Talk Title: Spin-current Modulated Ultrafast Spin Dynamics at Magnet/Nonmagnet Interfaces |
| TEA/COFFEE (10:45-11:10) | |
| SESSION-XI (11:10-13:15) | Chairperson: Prashant Chandra Singh, IACS, Kolkata, India and Subhabrata Sen, SNU Delhi NCR, India |
| 11:10-11:40 | Keynote Lecture (KL-07): Yasuhiro Kobori, Kobe University, Japan Talk Title: Vector Model of Chiral-Induced Spin Selectivity in Photoinduced Charge-Separations |
| 11:40-12:00 | Invited Lecture (IL-14): Jatish Kumar, IISER Tirupati, India Talk Title: Nanoscale Optical Activity in Intrinsically Chiral Nanostructures |
| 12:00-12:15 | Invited Short Lecture (SL-10): Navendu Mondal, IIT Delhi, India Talk Title: How Hot-Carrier Trapping Shapes Optoelectronic Response in Semiconductor Systems: An Ultrafast Intraband Spectroscopic View |

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| 12:15-12:35 | <p>Invited Lecture (IL-15): Prमित Chowdhury, IIT Delhi, India</p> <p>Talk Title: Energy Flow in Heme and Non-Heme Proteins: An Ultrafast Perspective</p> |
| 12:35-12:50 | <p>Invited Lecture (SL-11): Tushar Debnath, Shiv Nadar University, India</p> <p>Talk Title: Exciton-to-Biexciton Transitions and Energy Transfer Dynamics in Mn-doped Perovskite Nanocrystals</p> |
| 12:50-13:00 | <p>Oral Presentation (OP-03): Sajith V Sadasivan, NYU Abu Dhabi, UAE</p> <p>Talk Title: Optical Spin Hyperpolarization using Molecular Qubits</p> |
| 13:00-13:15 | <p>Invited Short Lecture (SL-12): Saheli Karmakar, VIT Chennai, India</p> <p>Talk Title: Photophysical Modulation of Charge Carrier Dynamics in Alkali Metal-Doped $g\text{-C}_3\text{N}_4$</p> |
| <p>CONCLUDING REMARKS (13:15-13:30) Vote of Thanks by Chair/Co-chair</p> | |
| <p>LUNCH (13:30-15:00)</p> | |
| <p>LAB TOUR / DEPARTURE (15:00)</p> | |

Lecture Time (mins):

PL: 30+5

KL: 25+5

IL: 15+5

SL: 12+3

OP: 8+2

Sponsor Lecture: 12+3

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