IP'26

16th International Symposium on Ionic Polymerization

Kolkata, India | November 15–19, 2026

Programme



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IP'26

IUPAC-IP 2026 Program Schedule

Plenary Speakers (**PL**); Keynote Speakers (**KN**); Invited Lectures (**IL**); Young Scientist Lecture (**YSL**)

15-11-2026 (Sunday)

1:00 pm - 2:30 pm	Registration, MN Saha Auditorium, TRC Ground Floor
Inaugural Session: Venue: MN Saha Auditorium, TRC Ground Floor	
2:30 pm – 2:35 pm	Lamp lighting ceremony
2:35 pm – 2:45 pm	Remarks by the Organizing Secretary, Prof. Priyadarsi De, IISER Kolkata
2:45 pm – 2:55 pm	Welcome Address by the Director, Prof. Sunil Kumar Khare, IISER Kolkata
2:55 pm – 3:00 pm	Welcome Address by the Dean of International Relations & Outreach, Prof. Debasis Koley, IISER Kolkata
3:00 pm – 3:10 pm	Welcome Address by Prof. Tarun K. Mandal, President, The Society for Polymer Science (SPSI) India
3:10 pm – 3:15 pm	Bani Bandana to Goddess Saraswati
3:15 pm – 3:20 pm	National Song and National Anthem
Session 1: Venue: MN Saha Auditorium, TRC Ground Floor	
Session Chair: Prof. Rudolf Faust, University of Massachusetts Lowell, USA	
3:20 pm – 3:25 pm	General Remarks on IUPAC International Symposium on Ionic Polymerization: Prof. Holger Frey, Johannes Gutenberg University Mainz, Germany
3:25 pm - 4:10 pm	**PL-1; Prof. Holger Frey**, Johannes Gutenberg University Mainz, Germany Title of Presentation: *Randomized PEG (rPEG) by Anionic Ring-Opening Copolymerization: An Amorphous and Non-antigenic Alternative to PEG*
4:10 pm - 4:40 pm	Tea/Coffee
Session 2: Venue: MN Saha Auditorium, TRC Ground Floor	
Session Chair: Prof. Suhrit Ghosh, IACS Kolkata	
4:40 pm - 5:10 pm	**KN-1; Prof. Sergei Kostjuk**, Sorbonne Université, France Title of Presentation: *Cationic to Radical Switchable RAFT Polymerization*
5:10 pm - 5:40 pm	**KN-2; Prof. Makoto Ouchi**, Kyoto University, Japan Title of Presentation: *From Designed Monomers to Precision Polymer Libraries*
5:40 pm - 6:10 pm	**KN-3; Prof. S. Ramakrishnan**, Indian Institute of Science, Bangalore, India Title of Presentation: *Direct synthesis of alternating copolymers via condensation polymerization*
6:10 pm - 6:40 pm	**KN-4; Prof. Christine Jérôme**, University of Liege, Belgium Title of Presentation: *Tailoring the Structure of Polyphosphoesters Networks for the Design of Functional Scaffolds for Tissue Engineering* (Online Lecture)
7:00 pm - 9:30 pm	Dinner at R. N. Tagore Atrium

16-11-2026 (Monday)

Session 3: Venue: MN Saha Auditorium, TRC Ground Floor	
Session Chair: Prof. V. Kari, IIT Bhubaneswar	
9:00 am - 9:45 am	**PL-2; Prof. Takashi Ishizone**, Institute of Science Tokyo, Japan Title of Presentation: *Sequence control by anionic polymerization*
9:45 am - 10:30 am	**PL-3; Prof. Axel Müller**, Johannes Gutenberg University Mainz, Germany Title of Presentation: *Gradient, Tapered and Block Copolymers by Anionic (Co)Polymerization: New Bio-Based Monomers and Solvents For Sustainable Thermoplastic Elastomers*
10:30 am - 10:50 am: Tea/Coffee	

Session 4: MN Saha Auditorium, TRC Ground Floor		**Session 5:** Asima Chatterjee Lecture Theatre, TRC 2nd Floor	
Session Chairs: Prof. Sudip Malik, IACS Kolkata and Dr. Debdatta Ratna, DRDO		***Session Chairs***: Prof. Santanu Chattopadhyay, IIT Kharagpur and Dr. Debmalya Roy, DRDO	
10:50 am -11:15 am	**IL-1; Prof. Apostolos Avgeropoulos**, University of Ioannina, Greece. Title of Presentation: *Synthesis, Characterization and Self-Assembly of Copolymers and Terpolymers for Nanotechnology Applications*	10:50 am – 11:15 am	**IL-6; Prof. Philippe Guégan**, Sorbonne Université, France. Title of Presentation: *Polymerization of 2-alkyl-2-oxazoline in the presence of thiocarbonylthio derivatives*
11:15 am -11:40 am	**IL-2; Prof. Mathias Destarac,** Universit´e de Toulouse, France. Title of Presentation: *Degradable Dithioketal Polymers via Radical Copolymerization of-Dithiobutyrolactone*	11:15 am – 11:40 am	**IL-7; Prof. Alex Plajer**, University of Bayreuth, Germany. Title of Presentation: *Selectivity Rules for Chalcogen-Containing Ring-Opening Copolymerisation*
11:40 am -12:05 pm	**IL-3; Prof. Arihiro Kanazawa**, The University of Osaka, Japan.	11:40 am – 12:05 pm	**IL-8; Prof. S. K. Asha**, CSIR-National Chemical Laboratory, India.

	Title of Presentation: *Cyclic Hemiacetal Esters as Nonhomopolymerizable Comonomers for Cationic Copolymerization*			Title of Presentation: *Challenges in Developing Indigenous 3D-Printable Resins: Balancing Biocompatibility and Mechanical Robustness*
12:05 pm -12:30 pm	**IL-4; Prof. Yasuhiro Kohsaka**, Shinshu University, Japan. Title of Presentation: *Molecular Design beyond Cleavable Bonds: Programming Main-Chain Scission in Acrylic Polymers*		12:05 pm – 12:30 pm	**IL-9; Prof. Ondrej Sedlacek**, Charles University, Czech Republic Title of Presentation: *Synthesis of poly(2-oxazoline) nanoparticles via cationic ring-opening polymerization-induced self-assembly*
12:30 pm -12:55 pm	**IL-5; Prof. Amitav Sanyal**, Bogazici University, Türkiye. Title of Presentation: *Multifunctional Polymeric Brushes: Dynamic Interfaces with Covalent & Non-Covalent Interactions*		12:30 pm – 12:55 pm	**IL-10; Prof. Anindita Das**, IACS Kolkata Title of Presentation: *Precision Two-Dimensional Macromolecular Architectures: From Assembly to Functions*
12:55 pm -1:10 pm	**YSL-1; Dr. Biswajit Saha**, CSIR-NIIST, India Title of Presentation: *Accessing Polysulfamates as "Macroisosteres" of Polyurethanes with Enhanced Degradability*		12:55 pm – 1:10 pm	**YSL-2; Ms. Caroline Bockhard**, Johannes Gutenberg University Mainz, Germany Title of Presentation: *Synthesis of randomized PEG (rPEG) lipids for lipid nanocarrier systems*
1:10 pm – 2:30 pm: Lunch (R. N. Tagore Atrium)				
Session 6: Venue: MN Saha Auditorium, TRC Ground Floor				
Session Chair: Prof. Nikhil K. Singha, IIT Kharagpur				
2:30 pm – 3:00 pm	**KN-5; Prof. Brett Fors**, Cornell University, USA Title of Presentation: *User-Friendly Ionic Polymerizations*			
3:00 pm – 3:30 pm	**KN-6; Prof. Remzi Becer**, University of Warwick, United Kingdom Title of Presentation: *Precision in Polymer Synthesis: From Sustainable Polymers to Bioactive Glycopolymers*			
3:30 pm – 4:00 pm	**KN-7; Prof. Masami Kamigaito**, Nagoya University, Japan Title of Presentation: *Reversible Deactivation Ionic and Radical Polymerization with C–H and C–C Dormant Species*			
4:00 pm – 4:20 pm: Tea/Coffee				
Session 7: MN Saha Auditorium, TRC Ground Floor			**Session 8:** Asima Chatterjee Lecture Theatre, TRC 2nd Floor	
Session Chair: Prof. Kinsuk Naskar, IIT Kharagpur			***Session Chairs:*** Prof. Mukut Chakraborty, W.B. State University	
4:20 pm – 4:45 pm	**IL-11; Prof. Fabienne Barroso-Bujans**, University of the Basque Country, Spain Title of Presentation: *Synthetic Strategies toward Functional Cyclic Polyether Macroinitiators*		4:20 pm – 4:45 pm	**IL-14; Prof. Felix Schacher**, Friedrich-Schiller-University Jena, Germany Title of Presentation: *Shapeshifters and Charge(d) Transporters– Tales from the World of Multi-Responsive Block Copolyether Micelles*
4:45 pm – 5:10 pm	**IL-12; Prof. Matthias Hartlieb**, University of Potsdam, Germany Title of Presentation: *Poly(2-oxazoline)s based on amino acids as antimicrobial polymers*		4:45 pm – 5:10 pm	**IL-15; Prof. Nicolas Illy**, Sorbonne Université, France Title of Presentation: *Harnessing thiolactone chemistry for the design of functional polymers*
5:10 pm – 5:35 pm	**IL-13; Prof. Sanjib Banerjee**, IIT Bhilai Title of Presentation: *Advanced Functional Block Copolymers via Controlled Cationic Polymerization*		5:10 pm – 5:35 pm	**IL-16; Prof. Seema Agarwal**, University of Bayreuth, Germany Title of Presentation: *Engineering Polymer Reinforcement and Processing Through Block Copolymer and Core–Shell Architectures*
5:35 pm – 5:50 pm	**YSL-3; Dr. Shivshankar R. Mane**, University of California Santa Barbara, USA. Title of Presentation: *Fluorogenic Self-Reporting Polymers and Locked Assemblies via ROMP of NITEC-Reactive Tetrazoles*		5:35 pm – 5:50 pm	**YSL-4; Mr. Byungwoo Yoo**, Yonsei University, Republic of Korea. Title of Presentation: *Unlocking Ring-Opening Polymerization of Glycidyl Propargyl Ether via Lewis Pair Organocatalysts*
5:50 pm – 6:10 pm: Tea/Coffee				
Session 9: Venue: MN Saha Auditorium, TRC Ground Floor				
Session Chair: Prof. Dipankar Chattopadhyay, University of Calcutta				
6:10 pm – 6:55 pm	**PL-4; Prof. S. Sivaram**, IISER Pune Title of Presentation: *SHOLA: THE ART AND SCIENCE OF A POROUS CELLULOSIC BIOMASS*			
7:00 pm - 10:00 pm: Dinner (Aquatic Palace)				

17-11-2026 (Tuesday)

Session 10: Venue: MN Saha Auditorium, TRC Ground Floor	
Session Chair: Prof. Samir H. Chikkali, NCL Pune	
9:00 am - 9:45 am	**PL-5; Prof. Nikos Hadjichristidis**, KAUST, Kingdom of Saudi Arabia Title of Presentation: *Model Macromolecular Architectures Based on Dynamic Covalent Bonds* (Online Lecture)
9:45 am - 10:30 am	**PL-6; Prof. Christopher Barner-Kowollik**, KIT, Germany Title of Presentation: *Wavelength-Resolved Photochemical Reactivity in Macromolecular Synthesis and Light-Driven Additive Manufacturing*
10:30 am - 10:50 am: Tea/Coffee	

Session 11: MN Saha Auditorium, TRC Ground Floor			**Session 12:** Asima Chatterjee Lecture Theatre, TRC 2nd Floor	
Session Chair: Prof. Sunil K. Sharma, University of Delhi			***Session Chair:*** Prof. Sanjib K. Patra, IIT Kharagpur	
10:50 am -11:15 am	**IL-17; Prof. Shelley Claridge**, Purdue University, USA Title of Presentation: *From On-Surface Polymerization Kinetics to Nanoscale Chemical Control of Soft Interfaces*		10:50 am – 11:15 am	**IL-21; Prof. Byeong-Su Kim**, Yonsei University, Republic of Korea Title of Presentation: *Harnessing Anionic and Cationic Polymerizations for Acetal-Based Degradable Materials: From Side-Chain Engineering to Backbone-Cleavable Architectures*
11:15 am -11:40 am	**IL-18; Prof. Jia Niu**, Boston College, USA Title of Presentation: *Precision Synthesis of Native and Pseudo-Polysaccharides via Ionic Polymerization*		11:15 am – 11:40 am	**IL-22; Prof. Bhoje Gowd**, CSIR-NIIST, India Title of Presentation: *Crystallization-Guided Hierarchical Assembly and Morphological Evolution in Poly(lactide)-Based Block Copolymer Systems*
11:40 am -12:05pm	**IL-19; Prof. Amit Das**, Tampere University, Finland Title of Presentation: *Rheo-optical FTIR Studies for understanding Ionic Iminium Carboxylate Complex based Networks*		11:40 am – 12:05 pm	**IL-23; Prof. Anil Kumar Sinha**, CSIR-Indian Institute of Petroleum, Dehradun, India Title of *Presentation: Ionic-Polymer-Enabled Electrochemical CO_2 Conversion: Designing Catalyst–Ionomer Interfaces for Sustainable C_2 Oxygenate Production*
12:05 pm -12:30pm	**IL-20; Prof. Debashis Chakraborty**, IIT Madras Title of Presentation: *CO_2 as a Feedstock for Aliphatic Carbonate Synthesis*		12:05 pm –12:30 pm	**IL-24; Prof. Titash Mondal**, IIT Kharagpur, India Title of Presentation*: Polymer-Based Triboelectric Energy Harvesters and Self-Powered Sensors*
12:30 pm -12:45pm	**YSL-5; Ms. Aurélie Marie Gabrielle Michelet**, University of Bordeaux, France. Title of Presentation: *A one-step synthesis and characterization of an efficient difunctional anionic initiator for high 1,4-polybutadiene*		12:30 pm –12:45 pm	**YSL-6; Mr. Katsutoshi Sagawa**, Nagoya University, Japan. Title of Presentation: *Simultaneous Control of Molecular Weight and Tacticity in Proton Transfer Anionic Polymerization (PTAP) of N, N-Dialkylacrylamides*
12:45 pm - 3:30 pm	Lunch, Poster Session, Tea/Coffee (R. N. Tagore Atrium) **Session 13:** ***Session Chairs for Poster Session:*** Prof. Jhuma Ganguly (Convenor, IIEST Shibpur), Prof. Raj Kumar Roy (IISER Mohali), Prof. Arijit Ghorai (IIT Kharagpur), and Prof. Raju Bej (IIT Guwahati)			

Session 14: Venue: MN Saha Auditorium, TRC Ground Floor	
Session Chairs: Prof. Ashootosh Ambade, NCL Pune and Prof. Puspendu Kumar Das, IISc, Bengaluru	
3:30 pm – 4:00 pm	**KN-8; Prof. Toshifumi Satoh**, Hokkaido University, Japan Title of Presentation: *Ring-opening Polymerization using Edible Catalysts*
4:00 pm – 4:30 pm	**KN-9; Prof. Bela Ivan**, HUN-REN Research Centre for Natural Sciences, Hungary Title of Presentation: *Carbocationic polymerization of β-pinene, a renewable natural monomer, under environmentally benign conditions*
4:30 pm – 5:00 pm	**KN-10; Prof. Daniel Taton**, University of Bordeaux, France Title of Presentation: *Organocatalyzed Group Transfer Polymerization (O-GTP) of Muconate Esters: A Versatile Platform for Precision Bio-Based and Chemically Recyclable Polymers*
Session 15: Venue: MN Saha Auditorium, TRC Ground Floor	
Session Chair: Prof. Dibakar Dhara, IIT Kharagpur	
5:00 pm – 5:45 pm	**PL-7; Prof. Syamal Chakrabarti**, University of Calcutta Title of Presentation: *Role of Bengal in the Birth of Modern Science in India*
5:45 pm – 6:30 pm	IP Steering Committee Meeting
6:30 pm – 10:30 pm	Banquet Dinner at Aquatic Palace

18-11-2026 (Wednesday)

Session 16: Venue: MN Saha Auditorium, TRC Ground Floor	
Session Chair: Prof. M. Jayakannan, IISER Pune	
9:00 am - 9:45 am	**PL-8; Prof. David M Haddleton**, University of Warwick, United Kingdom Title of Presentation: *Flow Chemistry for Controlled Polymerisation Monitoring Conversion and MWt in Real Time by Online NMR And GPC*
9:45 am - 10:30 am	**PL-9; Prof. Frederik Wurm**, University of Twente, Netherlands Title of Presentation: *Ionic Polymerization: Towards Sustainable "Plastics of the Future"?*
10:30 am - 10:45 am: Tea/Coffee	

Session 17: MN Saha Auditorium, TRC Ground Floor		**Session 18:** Asima Chatterjee Lecture Theatre, TRC Second Floor	
Session Chairs: Prof. Debaprasad Mandal, IIT Ropar and Prof. Sagar Pal, IIT (ISM) Dhanbad		***Session Chair:*** Prof. A. K. Nandi, IACS Kolkata	
10:45 am – 11:10 am	**IL-25; Prof. Kéki Sándor**, University of Debrecen, Hungary Title of Presentation: *Characterization of Polyisobutylenes and Other Non-polar Polymers by Mass Spectrometry*	10:45 am – 11:10 am	**IL-28; Prof. Nikita Sedush**, Enikolopov institute of synthetic polymeric materials RAS, Russia Title of Presentation: *Biodegradable self-assembled PLA-b-PEG nanocarriers for anticancer drugs: small particles – big perspectives*
11:10 am – 11:35 am	**IL-26; Prof. U. Ojha**, IIT Bhubaneswar Title of Presentation: *Exploring Dynamicity of Covalent Linkages & Correlating Their Influence on Material Properties in Covalent Adaptable Networks*	11:10 am – 11:35 am	**IL-29; Dr. Syamal S. Tallury**, ExxonMobil, USA Title of Presentation: *Cationic Polymerization: Industrial Significance and Emerging Trends*
11:35 am – 12:00 pm	**IL-27; Prof. Neralla Vijayakameswara Rao**, Taipei Medical University, Taiwan Title of Presentation: *A polycaprolactone-based nanocarrier containing hioketal linkers and charge conversion capabilities for doxorubicin delivery*	11:35 am – 12:00 pm	**IL-30; Prof. Andrea S. Carlini**, University of California Santa Barbara, USA Title of Presentation: *Optically- and Structurally-Responsive Polymers for Oxidative Stress*
12:00 pm – 12:15 pm	**YSL-7; Ms. Sanchi**, University of Twente, The Netherlands Title of Presentation: *Engineering Gradient Polyphosphonate-co-poly(ε-caprolactone) Copolymers for Selective Marine and Accelerated Biodegradation*	12:00 pm – 12:25 pm	**IL-31; Prof. Bimlesh Lochab**, Shiv Nadar Institution of Eminence, India Title of Presentation: *Beyond Thermal Inverse Vulcanization: Ambient Routes to Benzoxazine-Sulfur Copolymers*
12:15 pm – 12:25 pm: Industry Lecture (Waters™)			
12:25 pm – 1:30 pm: Lunch (R. N. Tagore Atrium)			
1:30 pm – 10:30 pm: Excursion and Cruise Dinner			

19-11-2026 (Thursday)

Session 19: Venue: MN Saha Auditorium, TRC Ground Floor	
Session Chair: Prof. Tarun K. Mandal, IACS Kolkata	
9:30 am - 10:15 am	**PL-10; Prof. Richard Hoogenboom**, Ghent University, Belgium Title of Presentation: *Poly(2-oxazoline)s: From Mechanistic Insights to Advanced Polymer Structures*
10:15 am – 10:45 am	**KN-11; Prof. Yixian Wu**, Beijing University of Chemical Technology, Beijing, China Title of Presentation: *In Situ Synthesis of Chemically Stable Hybrid Co-Networks of Poly(thioctic Acid) with Fe^{3+} via Controlled/Living Cationic Ring-Opening Polymerization* (Online Lecture)
10:45 am – 11:15 am	**KN-12; Prof. Junpeng Zhao**, South China University of Technology, China Title of Presentation: *Function-Oriented Chemoselective Ionic Ring-Opening Polymerization*
11:15 am – 11:35 am: Tea/Coffee	
Session 20: Venue: MN Saha Auditorium, TRC Ground Floor	
Session Chair: Prof. Sayam Sen Gupta, IISER Kolkata	
11:35 am – 12:05 pm	**KN-13; Prof. Yang Zhenzhong**, Tsinghua University, China Title of Presentation: *Simplified Ionic Polymerization towards Single-Chain Nanostructures* (Online Lecture)
12:05 pm – 12:30 pm	**IL-32; Prof. Feng Li**, Hokkaido University, Japan Title of Presentation: *Anionic Ring-Opening (Co)polymerization of Spiro-Epoxides: Exploring a "Forgotten" Class of Epoxide Monomers through Serendipity* (Online Lecture)
Session 21: Venue: MN Saha Auditorium, TRC Ground Floor	
Session Chairs: Prof. Raja Shunmugam, IISER Kolkata and Prof. Sanjio S. Zade, IISER Kolkata	
12:30 pm – 12:40 pm	Announcement of the next IP meeting
12:40 pm – 12:50 pm	Poster Prize Announcements
12:50 pm – 1:00 pm	Vote of Thanks
1:00 pm – 2:30 pm	Lunch and Departure
6:00 pm – 9:30 pm	Dinner at NB Sonar Bangla

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