

Program Schedule

Day 1: February 9 th 2023	
11:30-13:00	Registration
13:00-14:30	Lunch
14:30-14:45	Welcome Address: Prof. Ajay Venugopal
14:45-15:00	Inaugural Address: Prof. J. N. Moorthy, Director, IISER Thiruvananthapuram
Session I: (15:00) Chair: Prof. S. Ghosh, IIT Madras, India	
15:00-15:30	Prof. E. D. Jemmis, <i>IISc, India</i> <i>Continua in Chemistry: example of primary vs secondary interactions in main group - comparison of solution and solid state</i>
15:30-16:00	Prof. V. Däschelin-Gessner, <i>Ruhr-Universität Bochum, Germany</i> <i>Metalated ylides: Powerful reagents in main group chemistry</i>
16:00-16:30	Tea Break
Session II: (16:30) Chair: Prof. A. J. Elias, IIT Delhi, India	
16:30-17:00	Prof. M. P. Coles, <i>Victoria University of Wellington, New Zealand</i> <i>Bond Forming Reactions Promoted by Aluminyl Anions</i>
17:00-17:30	Prof. G. Berionni, <i>University of Namur, Belgium</i> <i>Frustrated Lewis pairs with boron Lewis superacids: small molecules activation and new coordination modes at boron</i>
17:30-18:00	Prof. R. Dobrovetsky, <i>Tel Aviv University, Israel</i> <i>Geometrically Constrained P(III) Ions</i>
18:00-18:30	Prof. N. W. Mitzel, <i>Bielefeld University, Germany</i> <i>From Soft to Hard: Frustrated Lewis Pairs with Aluminium, Silicon and Tin</i>
18:30-20:00	Networking
20:00-21:30	Dinner
Day 2: February 10 th 2023	
Session III: (09:00) Chair: Prof. S. S. Sen, NCL Pune, India	
09:00-09:30	Prof. H. Braunschweig, <i>University of Würzburg, Germany</i> <i>Activation of N, and other inert molecules: are borylenes more useful than transition metals?</i>
09:30-10:00	Prof. N. Tokitoh, <i>Kyoto University, Japan</i> <i>In Pursuit of Heterazulenes Containing a Heavier Group 14 Element</i>
10:00-10:30	Prof. S. Khan, <i>IISER Pune, India</i> <i>Cationic Sb(III) and Bi(III) Compounds as Catalysts in Cyanosilylation Reaction</i>
10:30-11:00	Tea Break
Session IV: (11:00) Chair: Prof. M. Majumdar, IISER Pune, India	
11:00-11:30	Prof. V. Chandrasekhar, <i>TIFR-Hyderabad, India</i> <i>Phosphorus-based ligands in Magnetism and Catalysis</i>
11:30-12:00	Prof. L. Maron, <i>Paul Sabatier University – Toulouse III, France</i> <i>A computational tour in main group reactivity</i>
12:00-12:30	Prof. E. Rivard, <i>University of Alberta, Canada</i> <i>Donor-Acceptor Stabilization as a Path Towards Novel Bonding and Materials Applications in the Main Group</i>
12:30-14:00	Lunch

Session V: (14:00) Chair: Prof. S. Kundu, IISER Thiruvananthapuram, India	
14:00-14:30	Prof. D. Bourissou, <i>Paul Sabatier University – Toulouse III, France</i> <i>Unusual reactivity and cooperative catalysis arising from ambiphilic ligands</i>
14:30-15:00	Prof. F. Dielmann, <i>University of Innsbruck, Austria</i> <i>Phosphines and carbenes with exceptional properties: New tools for chemical bond activation and catalysis</i>
Student oral talk	
15:00-15:10	N. Chrysochos <i>N-Heterocyclic Derived Twisted Push-Pull Alkenes</i>
15:10-15:20	Anagha H. <i>Base Stabilized σ-Borane Complexes of Group 5 Transition Metals</i>
15:20-15:30	D. Sharma <i>Antimony(III) Lewis acids: Implication of secondary interactions in reactivity</i>
15:30-16:00	Tea Break
Session VI: (16:00) Chair: Prof. G. Anantharaman, IIT Kanpur, India	
16:00-16:30	Prof. R. J. Gilliard, <i>Massachusetts Institute of Technology, USA</i> <i>Formation and Function of Boron-Centered Heteroaromatics</i>
16:30-17:00	Prof. D. P. Gates, <i>University of British Columbia, Canada</i> <i>Twists and turns in the Molecular and Polymer Chemistry of P=C Bonds</i>
17:00-17:30	Prof. S. Nembenna, <i>NISER Bhubaneshwar, India</i> <i>The Synthesis and Catalytic Application of Low Oxidation State Zinc(I) Dimers and Zinc(II) Hydrides</i>
17:30-19:30	Posters and Networking
19:30-21:00	Dinner
Day 3: February 11th 2023	
Session VII: (09:00) Chair: Prof. A. Venugopal, IISER Thiruvananthapuram, India	
09:00-09:30	Prof. F. P. Gabbaï, <i>Texas A&M University, USA</i> <i>Anion complexation and transport using main group Lewis acids</i>
09:30-10:00	Prof. L. Greb, <i>Heidelberg University, Germany</i> <i>What Distinguishes the Strength and the Effect of a Lewis Acid: Fundamentals and Applications of Lewis Acidity</i>
10:00-10:30	Prof. I. Fernández, <i>Complutense University of Madrid, Spain</i> <i>The Pauli Repulsion Lowering Concept in Catalysis</i>
10:30-11:00	Tea Break
Session VIII: (11:00) Chair: Prof. N. D. Reddy, Pondicherry University, India	
11:00-11:30	Prof. L. A. Berben, <i>University of California, Davis, USA</i> <i>Expanding the Scope of Aluminum Chemistry with Non-Innocent Ligands</i>
11:30-12:00	Prof. M. Crimmin, <i>Imperial College London, UK</i> <i>Zinc Catalysed Semi-Hydrogenation of Alkynes</i>
12:00-12:30	Prof. S. Singh, <i>IISER Mohali, India</i> <i>Systematic approaches to assemble macrocycles containing selected main group elements</i>
12:30-14:00	Lunch
Session IX: (14:00) Chair: Prof. S. Mandal, IISER Thiruvananthapuram, India	
14:00-14:30	Prof. J. Garden, <i>University of Edinburgh, UK</i>

	<i>Activated Catalysts: Harnessing Mixed-Metal Cooperativity in Cyclic Ester Ring-Opening Polymerisation</i>
14:30-15:00	Prof. M. S. Balakrishna, <i>IIT Bombay, India</i> <i>Bisphosphine With Amide Functionality: Metal Assisted P-C /P-N Bond cross Metathesis, and Catalytic Studies</i>
Student oral talk	
15:00-15:10	N. Mukherjee <i>Chemistry of the Elusive Donor-stabilized Antimony(I) Cations</i>
15:10-15:20	S. Sagar <i>Reactivity of Cesium Complex in Ring Opening Polymerization and Copolymerization of Cyclic Esters</i>
15:20-15:30	S. Maji <i>Metal-free Approach towards Reductive Functionalization of CO₂</i>
15:30-16:00	Tea Break
Session X: (16:00) Chair: Prof. C. H. Suresh, NIIST Thiruvananthapuram, India	
16:00-16:30	Prof. E. Hey-Hawkins, <i>University of Leipzig, Germany</i> <i>Carboranes as Janus-like Scaffolds for Phosphines</i>
16:30-17:00	Prof. K. Vanka, <i>NCL Pune, India</i> <i>To Catalyse or Not to Catalyse: That is the Question in Hydroboration and Cyanosilylation Chemistry</i>
17:00-17:30	Photo session
17:30-19:30	Cultural Event
19:30-21:00	Dinner
Day 4: February 12th 2023	
Session XI: (09:00) Chair: Prof. G. Prabusankar, IIT Hyderabad, India	
09:00-09:30	Prof. J. Okuda, <i>RWTH Aachen University, Germany</i> <i>Molecular Hydrides of Alkaline Earth Metals and Zinc</i>
09:30-10:00	Prof. A. K. Phukan, <i>Tezpur University, India</i> <i>Chemistry of Group 13 Carbenoids: A Contribution from Theory</i>
Student oral talk	
10:00-10:10	R. Chandrasekaran <i>Direct Synthesis and Applications of Solid Silylzinc Reagents</i>
10:10-10:20	G. Kundu <i>Six membered Saturated NHC with Boranes: B-H activation, Ring Expansion, Substitution at Tetra-coordinated Boron Centre</i>
10:20-10:30	V. K. Singh <i>Dianion-separated Bis(stannylene) Cations</i>
10:30-11:00	Tea Break
Session XII: (11:00) Chair: Dr. A. Ganguly, RSC, India	
11:00-11:30	Prof. R. L. Melen, <i>Cardiff University, UK</i> <i>Single or Double? A radical approach to Frustrated Lewis Pairs</i>
11:30-12:00	Prof. J. Goicoechea, <i>Indiana University of Bloomington, USA</i> <i>The Cyaphide Ion: A New Building Block for Chemical Synthesis</i>
12:00-12:10	Poster Awards Announcement
12:10-12:30	Concluding Remarks
12:30-14:00	Lunch

