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| | **Asian Conference on Electrochemical Power Sources (ACEPS13)**<br>**Chemical Sciences Building (CSB), Indian Institute of Science, Bengaluru, INDIA** |
| | **January 11, 2026, SUNDAY** |
| | **Arrivals** |
| **15:00 to 19:00 Hours** | **Registration at Chemical Science Building (CSB)** |
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| | **January 12, 2026, MONDAY** |
| **07:30 onwards** | **REGISTRATION** |
| **08:50 to 09:15 Hours** | **Inauguration (AVR)** |
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| | **Plenary Session 1**<br>**Session Chair: Aninda J. Bhattacharyya (IISc)** |
| **09:20 to 10:00 Hours** | **PLENARY-1 (Venue: AVR): Atsuo Yamada (Univ. Tokyo, Japan): Toward Sustainable and Safe Battery** |
| **10:00 to 10:40 Hours** | **PLENARY-2 (Venue: AVR): Bing-Joe Hwang (NTUST, Taiwan): Nanocatalysts for Electrochemical Energy Conversion Reactions** |
| **10:40 to 11:10 Hours** | **Break** |
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| | **Parallel Sessions (1.1 to 1.3)** |
| **11:10 to 13:00 Hours** | **Session 1.1: Solid State Batteries (Venue: AVR)**<br>**Session Chair: Prabeer Barpanda (IISc)** |
| | **KL-1: Sang-Young Lee (Yonsei, Korea): Scalable Electrode Engineering for High-Areal-Capacity Lithium Batteries** |
| | **KL-2: Nae-Lih Wu (NTU, Taiwan): A Robust Li-Ion Permeable Interphase to Address Interfacial Instability and Structural Degradation of Ni-Rich NCM Cathodes In Poly(ethylene oxide)-Based All-Solid-State Li-Ion Batteries** |
| | **IL-1: Naga Phani B Aetukuri (IISc-BLR, India): Towards a Mechanistic Understanding of Dendrite Growth in Solid State Batteries** |
| | **IL-2: Hirotoshi Yamada (Nagasaki, Japan): All-solid-state batteries using low-temperature-sintered $Li_{1.5}Al_{0.5}Ge_{1.5}(PO_4)_3$** |
| **11:10 to 13:00 Hours** | **Session 1.2: Li-based Batteries (Venue: RBM)**<br>**Session Chair: Palani Balaya (NUS)** |
| | **KL-3: Nobuyuki Imanishi (Mie, Japan): Enhancing Lithium Metal Electrode Stability with Ceramic Layer Coatings** |
| | **KL-4: Hikari Sakaebe (Kyushu Univ, Japan): Iron-based conversion electrode material-from lithium batteries to anion-shuttle system** |
| | **IL-3: Minkyung Kim (Kwangwoon Univ, Korea): Suppressing surface and bulk degradation of single-crystal cathodes for lithium-ion batteries** |
| | **IL-4: Seung-Wan Song (Chungnam Nat Univ, Korea): Suppressing Thermal Runaway of High-Energy Lithium-ion Battery Using Nonflammable Liquid Electrolyte** |
| **11:10 to 13:00 Hours** | **Session 1.3: Aqueous / Multivalent Batteries (Venue: ANZ)**<br>**Session Chair: Rama Kant (DU)** |
| | **KL-5: C. Retna Raj (IIT-Kgp, India): Unlocking the Power of Aqueous Batteries with Rationally Engineered Anode and Cathode** |

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| | IL-5: Ashutosh Singh (CeNS-BLR, India): Thermo-Electrochemical Activation of $V_2O_5$ to $ZnV_3O_8$ for Ultra-Stable Zinc-Ion Batteries |
| | IL-6: Min-Hsin Yeh (NTUST, Taiwan): Developing the Value-added Reaction-assisted Zn-air Battery via 2e- Oxygen Reduction Reaction |
| | IL-7: Aditi Halder (IIT-Mandi, India): Addressing Issues in Next Generation Electrochemical Energy Storage Devices |
| | IL-8: Arindam Sarkar (IIT-Bombay, India): A rechargeable Zn-ion battery |
| 13:00 to 15:00 Hours | Group Photo, Lunch & Poster Session-1 (Poster Session-1: 3rd Floor) |
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| | Parallel Sessions (1.4 to 1.6) |
| 15:00 to 16:50 Hours | Session 1.4: (Post) Li-ion Batteries (Venue: AVR)<br>Session Chair: Stefan Adams (NUS) |
| | KL-6: Shinichi Komaba (TUS, Japan): Layered NaMeO2 (Me = 3d metals): Synthesis, Polytypes, and Solid-State Redox |
| | IL-9: Manjusha V. Shelke (CSIR-NCL Pune, India): Advanced Electrolyte and Interface Engineering for Next-Generation Sodium Batteries |
| | IL-10: AS Prakash (CECRI, India): Advancements and challenges in sodium-ion battery technology: from novel cathode materials to full-cell systems |
| | IL-11: Premkumar Senguttuvan (JNCASR, India): Exploring NASICON Frameworks for Rechargable Sodium-ion Batteries |
| 15:00 to 16:50 Hours | Session 1.5: Solid State Batteries (Venue: RBM)<br>Session Chair: Nobuyuki Imanishi (Mie Univ.) |
| | KL-7: Sangmin Lee (POSTECH, Korea): Rational Interfacial-design of Sulfide-Based Solid Electrolytes for All-Solid-State Batteries |
| | KL-8: Palani Balaya (NUS, Singapore): Solid-state Na-ion Batteries via Two Dimensional Filler based Composite Polymer Electrolyte |
| | IL-12: Abhik Banerjee (TCG CREST, India): Role of Cationic Sublattice Configuration for Designing Low-Cost Li+ Superionic Halospinel |
| | IL-13: Swapan Kumar Pati (JNCARS, India): Computational insights for designing frameworks of intercalation devices for energy storage systems |
| | IL-14: Mir Wasim Raja (CGCRI, India): "Liquid" and "Solid" Therapeutic Approaches for Overcoming Interfacial Challenges in LLZO-Based Solid-State Lithium Metal Batteries |
| | Session 1.6: Fuel Cells (Venue: ANZ)<br>Session Chair: Anil Verma (IIT-Delhi) |
| | KL-9: Minoru Inaba (Doshisha, Japan): Development of Next-Generation Fuel Cells in GteX Project in Japan |
| | IL-15: Tushar Jana (UOH, India): Polymer Membranes for the use in Fuel Cell |
| | IL-16: Muhammed Musthafa (IISER-Pune, India): Electricity from Acid Base Reaction |
| | IL-17: Hideo Daimon (Doshisha Univ, Japan): Cell Performance of Pt Catalyst Supported on Mesoporous Carbon |
| | IL-18: Farsa Ram (IISc-BLR, India): Molecularly Engineered Ion Exchange Membranes for Fuel Cells |
| 16:50 to 17:10 Hours | Break |
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| | Parallel Sessions (1.7 to 1.9) |
| 17:10 to 18:30 Hours | Session 1.7: (Post) Li-ion Batteries (Venue: AVR)<br>Session Chair: Sai Gautam G (IISc) |
| | IL-19: Wei-Ren Liu (Christian Univ, Taiwan): Nano-crystalline $Fe_3V_3O_8$ Material as an Efficient Advanced Anode for Energy Storage Applications |
| | IL-20: Thangavelu Palaniselvam (IIT-Madras, India): Self-Healing Liquid Gallium Alloy Composite Anode for High-Performance Sodium-Ion Storage |
| | IL-21: Wei-Nien Su (NTUST, Taiwan): Design of Localized High Concentration Electrolytes for High-Voltage Anode-Free Lithium Metal Batteries |

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| | IL-22: Urmimala Maitra (IACS, India): What happens to Li-rich Layered oxides when we cation disorder them? |
| 17:10 to 18:30 Hours | Session 1.8: Solid State/(Post) Li-ion Batteries (Venue: RBM)<br>Session Chair: Tushar Jana (UOH) |
| | KL-10: Hsisheng Teng (National CH Univ, Taiwan): Copper-Integrated Solid Polymer Electrolyte with Enhanced Li+ Transport and Durability in Lithium Metal Batteries |
| | IL-23: Derrick Fam (A-Star, Singapore): All-Solid Polymer Electrolyte System Enabling Li-metal Batteries |
| | IL-24: Rahul Salunkhe (IIT-Jammu, India): Functional Quasi-Solid-State Electrolyte Based on an Ionic MOF for Enhanced Sodium Metal Battery Stability |
| | OL-1: Prasada Rao Rayavarapu (NUS, Singapore): Fire-Retardant Electrospun Gel Polymer Electrolytes for Safe, High-Performance Lithium-Metal Batteries |
| 17:10 to 18:30 Hours | Session 1.9: Supercapacitors (Venue: ANZ)<br>Session Chair: C. Retna Raj (IIT-Kgp) |
| | KL-11: Wataru Sugimoto (Shinshu Univ., Japan): Pseudocapacitive Properties of Birnessite Nanosheets |
| | IL-25: Narendra Kurra (IIT-Hyd, India): Pseudocapacitive Charge Storage of MXene-Organic Hybrids in Divalent Metal-ion Electrolytes |
| | OL-2: Suman Yadav (IIT-Hyd, India): Pseudocapacitance of Vanadium Carbide MXene in Concentrated Calcium-ion Electrolyte |
| | OL-3: Ankita Chudiwal (IISER-Pune, India): A Biodegradable Peptide-based Supercapacitor |
| 19:00 to 22:00 Hours | Conference Banquet (@Sheraton) |
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| | January 13, 2026, TUESDAY |
| 07:30 onwards | REGISTRATION |
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| | Plenary Session 2<br>Session Chair: Amartya Mukhopadhyay (IIT-Bombay) |
| 08:45 to 09:25 Hours | PLENARY-3 (Venue: AVR) : Kisuk Kang (SNU, Korea): Oxygen-redox chemistry in layered transition metal oxides for advanced lithium-ion battery cathode materials |
| 09:25 to 10:05 Hours | PLENARY-4 (Venue: AVR): Clare Grey (Univ. Cambridge, UK): Operando studies of intercalation processes |
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| 10:05 to 10:15 Hours | Battery Research Society of India Introduction: Amartya Mukhopadhyay, IIT-Bombay |
| 10:15 to 10:45 Hours | Break |
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| | Parallel Sessions (2.1 to 2.3) |
| 10:45 to 13:05 Hours | Session 2.1: Solid State/(Post) Li-ion Batteries (Venue: AVR)<br>Session Chair: Shinichi Komaba (TUS) |
| | KL-12: Yong-Mook Kang (Korea Univ, Korea): Disorder-Engineered Oxide Cathodes and Solid-State Electrolytes: Mechanistic Insights into Structural and Ionic Modulation |
| | KL-13: Stefan Adams (NUS, Singapore): Compressible Lightweight Solid Electrolytes for Durable Batteries |
| | KL-14: Philipp Adelhelm (HUB, Germany): Beyond intercalation – Solvent co-intercalation and spillover in layered sulfides and sulfur/carbon composites |
| | IL-26: Surendra K Martha (IIT-Hyd, India): Toward Sustainable Lithium-Ion Batteries: Advances in Low- and Zero-Cobalt Electrode Materials |
| | IL-27: Nonglak Meethong (Khon Kaen Univ., Thailand): Enhancing Rate and Cycling Stability of $Na_4MnV(PO_4)_3$-Carbon Dots Composite Cathode for Sodium-Ion Batteries |
| 10:45 to 13:05 Hours | Session 2.2: Solar Harvesting/Photoelectrochem Storage (Venue: RBM)<br>Session Chair: Sayan Bhattacharyya (IISER-Kolkata) |
| | KL-15: Jae-Joon Lee (Dongguk Univ, Korea): Expanding the Frontiers of Dye-Sensitized Photoelectrochemical Cells: Solar Valorization of Biomass and Beyond |

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| | IL-28: Kyungkon Kim (Ewha Univ, Korea): Vacuum-Processable Additive for Controlling Growth of Perovskite Crystals in Vacuum Processed Perovskite Solar Cell |
| | IL-29: Srabanti Ghosh (CGCRI, India): Advancement of Surface Engineered Semiconductor heterostructures in Photoelectrochemical devices for solar water splitting |
| | IL-30: Rajendra K Singh (BHU, India): Photo-Rechargeable Sodium-Ion Batteries |
| | OL-4: Kumar Shubham (CeNS-BLR, India): Development of High-Performance Silicon-Based n-i-p Heterojunction Photoanode for Large-Scale Photoelectrochemical Water Splitting Applications |
| 10:45 to 13:05 Hours | Session 2.3: Electrocatalysis (Venue: ANZ)<br>Session Chair: Sunil Kumar (IIT-Indore) |
| | KL-16: Hajime Arai (IOSc, Japan): Electrode materials synthesized by soft chemistry |
| | KL-17: Shigenori Mitsushima (Yokohama Univ, Japan): Degradation mechanism and ADT protocole for alkaline water electrolyzers |
| | IL-31: Vishal M Dhavale (CECRI, India): Electrocatalyst and Electrolyte Engineering for Energy Applications |
| | IL-32: Hidenori Kuroki (TIT, Japan): Three-Dimensionally Connected Nanoparticles for Advanced Oxygen Reduction Catalysts in PEFCs |
| | IL-33: Chinmoy Ranjan (IISc-BLR, India): Solid oxide electrolysis of $CO_2$: Power to X |
| 13:00 to 15:00 Hours | Group Photo, Lunch & Poster Session-2 (Poster Session-2: 3rd Floor) |
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| 15:00 to 16:00 Hours | Session 2.4 (Sponsor Invited Lectures): Academia-Industry Interface (AVR)<br>Session Chair: Pramod Kumar (IISc) |
| | IL-34: Rajesh Mekkat (Ola Electric, India): Industrializing Dry Electrode Production for Lithium-ion Cells<br>IL-35: Suraj Vallamkonda (Ather Energy, India): Indian Cell - Insights from 7 years of Lab and Field Data<br>IL-36: Rashi Gupta (Vision Mechatronics, India): TBA<br>IL-37: K. P. Rudrappaiah (KREDL, India): Scaling Renewable Energy and Storage: Karnataka's Journey from Policy to Deployment |
| 16:00 to 16:15 Hours | Break |
| | Parallel Sessions (2.5 to 2.7) |
| 16:15 to 18:30 Hours | Session 2.5: (Post) Li-ion Batteries (Venue: AVR)<br>Session Chair: Wei Ren Liu (Christian Univ.) |
| | KL-18: Jeng-Kuei Chang (NYMCTU, Taiwan): Fabrication of Lithium Metal Powder with Surface Protection Shells for High-Performance Lithium Batteries |
| | IL-38: M.M. Shaijumon (IISER-TVM, India): Modified Current Collectors for Stable Anode-less Lithium/Sodium Metal Batteries |
| | IL-39: Sunil Kumar (IIT-Indore, India): Composition Tuning Effects on the Phase Formation and Electrochemical Performance of $Na_x(Mn\text{-}Fe\text{-}Ni)O_2$ Cathodes |
| | IL-40: Subhashish Basu Majumder (IIT-Kgp, India): Effect of particle morphology of as prepared sulfur on the electrochemical performance of Li-S batteries |
| | IL-41: Anandan Srinivasan (ARCI, India): Design and Development of Electrode Materials for Li- and Na-ion Batteries: From Lab-Scale Innovation to Demonstration |
| | OL-5: Adrija Goswami (IIT-Bombay, India): Unraveling the Oxygen Redox Mechanism in 'Layered' Sodium-Transition Metal Oxide Cathodes for Sodium-Ion Batteries |
| | OL-6: Sharad D. Pinjari (IISER-Bhopal, India): Controlled Cation Doping in Iron-Based NASICON Frameworks Toward High-Performance Sodium-Ion Batteries |
| 16:15 to 18:30 Hours | Session 2.6: (Post) Li-ion Batteries (Venue: RBM)<br>Session Chair: Rahul Salunkhe (IIT-Jammu) |
| | IL-42: Rajendra S Dhaka (IIT-Delhi, India): Development of Sodium-ion batteries for energy storage |
| | IL-43: Srinivasan Ramakrishnan (IIT-Bombay, India): Reactive Interfaces for Ambient Pressure Anodeless Solid-state Batteries |

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| | IL-44: R. Kothandaraman (IIT-Madras, India): Reinforcing a Lithium-ion Battery Cathode (NCA) with Mn Doping |
| | OL-7: Tripti Agnihotri (NTUST, Taiwan): Enhancing the safety and performance of Li-metal battery via a multifunctional fluoro-phosphonate-based additive |
| | OL-8: Zachary T. Gossage (Tokyo Univ Sc., Japan): Impact of Co-Solvents during Cointercalation at Graphite for Sodium Ion Batteries |
| | OL-9: Sanghamitra Moharana (NIT-Warangal, India): Suppressing Lithium Dendrite Growth in Graphite Anodes using Potassium Additives via Interphase Engineering for Lithium-Ion Batteries |
| | OL-10: Neha Dagar (IIT-Indore, India): Al/Ti co-doping Boosts Electrochemical Performance and P3/O3 Structural Stability of Na-ion Battery Cathode |
| 16:15 to 18:30 Hours | Session 2.7: Theory and Computation (Venue: ANZ)<br>Session Chair: Ananth Govind Rajan (IISc) |
| | KL-19: Jyh-Chiang Jiang (NTUST, Taiwan): Computation-Aided Design of Materials Related to Lithium-Ion/Metal Batteries |
| | KL-20: Rama Kant (Univ. Delhi, India): Work Function Centric Theory for Heterogeneous Electron Transfer Kinetics : ORR on Single Crystal Pt (h k l) |
| | IL-45: Sang Cheol Kim (NUS, Singapore): Solvation Thermodynamics and its Impact on Electrolyte Properties and Lithium Battery Performance |
| | IL-46: Sai Gautam Gopalakrishnan (IISc-BLR, India): Predicting migration barriers in battery materials |
| | IL-47: Swastika Banerjee (IIT-Roorkee, India): Tuning Ion Transport and Host Interactions in Beyond-Lithium Ion Storage: Insights from First-Principles Simulations |
| | IL-48: Mudit Dixit (CSIR-CLRI, India): Designing Cathode Materials for Li-Ion and Na-Ion Batteries Using Advanced Computational Methods |
| | IL-49: Priya Johari (Shiv Nadar Univ., India): Atomistic Understanding of Electrode Materials for High-Performance Alkali-Ion Batteries |
| | OL-11: Archana R. Kanwade (IIT-Indore, India): Computational Design and Experimental Realization of Na3FeV(PO4)3 as a Sustainable Cathode for High-Performance Sodium-Ion Batteries |
| 19:00 to 21:30 Hours | Conference Dinner (JVH Lawns, IISc) |
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| | January 14, 2026, WEDNESDAY |
| 07:30 onwards | REGISTRATION |
| | Plenary Session 3 |
| 08:45 to 09:25 Hours | PLENARY-5 (Venue: AVR): Satish Ogale (TCG CREST, India): Controlling Interface Phenomena in Batteries by Innovative Materials Engineering |
| 09:25 to 10:05 Hours | PLENARY-6 (Venue: AVR): Li Hong (CAS, China): Practical solid batteries via in situ solidification technologies |
| 10:05 to 10:35 Hours | Break |
| | Parallel Sessions (3.1 to 3.3) |
| 10:35 to 12:45 Hours | Session 3.1: (Post) Li-ion Batteries (Venue: AVR)<br>Session Chair: Aditi Halder (IIT-Mandi) |
| | IL-50: Prabeer Barpanda (IISc, India): Perovskite and Spinel Compounds as Anode Materials for Sodium-ion Batteries |
| | IL-51: Kingshuk Roy (TCG CREST, India): Plating Dynamics in Sodium Metal Anodes: Linking Molecular Interactions to Macroscopic Stability |
| | IL-52: Sattwick Haldar (IIT Tirupati, India): Li–Organopolysulfide Batteries: Opening New Avenues in Battery Chemistry |
| | IL-53: Saikat Dutta (Amity Univ, India): Fe-$N_4$-$O_2$ and Mn-$N_4$-C≡N Single Atom Incorporated Anodes for Sodium Ion Storage and Transport with Hollow Diffusion Sites |
| | OL-12: Manu Patel U.M. (Manipal Inst. Tech., India): The Importance of Chemical Reactions in the Charging Process of Lithium-Sulfur Batteries |
| | OL-13: Debalina Deb (IISc-BLR, India): In-Situ Synthesized Gel Polymer Electrolyte for Long-Life Sodium-Ion Batteries |
| | OL-14: Monalisha Mahapatra (TUS, Japan): Impact of Air Stability through Alkaline Earth Metal Doping on P2- $Na_{0.67}Fe_{0.5}Mn_{0.5}O_2$ |

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| | OL-15: Jaya Yadav (IISc-BLR, India): Investigation of the Layered Structure and Electrochemical Behaviour of $Na_{2-x}Li_xMn_3O_7 \cdot yH_2O$ |
| 10:35 to 12:45 Hours | Session 3.2: Electrocatalysis (Venue: RBM)<br>Session Chair: Farsa Ram (IISc) |
| | KL-21: Kuei-Hsien Chen (NTU, Taiwan): Modulating the Electronic Structure of Ni Single-Atom via Phosphorous for Efficient $CO_2$ Electroreduction |
| | IL-54: Sayan Bhattacharyya (IISER-Kolkata, India): From Unstoppable Electrons in Unlikely Alloys to Hydrogen Harmony |
| | IL-55: Shanmugam Sangaraju (DGIST, Korea): Electrochemical Transformation of Pollutants to Value-Added Chemicals |
| | IL-56: Di-Yan Wang (NTNU, Taiwan): Enhancing Hydrogen Evolution at Lower Potentials via Developing New Catalysts for Alternative Anodic Oxidation Reactions |
| | IL-57: CN Tharamani (IIT Ropar, India): Designing greener energy conversion system for a sustainable future |
| | OL-16: Takuma Korekawa (Univ. Hyogo, Japan): Screen printed MEAs incorporating carbon nanotube-structures as structural additives to enhance electrocatalytic performance |
| | OL-17: Ashwini Anshu (IISc-BLR, India): N-doped graphitic layer encapsulated AuCo nanoparticles as core–shell structured bifunctional electrocatalyst for Zn-air batteries |
| 10:35 to 12:45 Hours | Session 3.3: Methodologies / Recycling (Venue: ANZ)<br>Session Chair: Abhik Banerjee (RISE-TCG-CREST) |
| | KL-22: Li-Chyong Chen (NTU, Taiwan): In situ visualization of local electrochemical activity of 2D catalysts |
| | IL-58: Minah Lee (POSTECH, Korea): Chemical Regeneration of Spent Battery Cathodes under Ambient Conditions |
| | IL-59: Yuki Orikasa (Ritsumeikan Univ, Japan): Analysis of Silicon-Anode Degradation Mechanisms in All-solid-state Batteries via X-ray Nano-CT |
| | IL-60: Mamata Mohapatra (CSIR-IMMT, India): Generation of Battery materials from end of life LIBs: Pros and Cons |
| | IL-61: He-Yun Du (MCUT, Taiwan): Local Electrochemical Mapping of 2D Materials Using Scanning Electrochemical Cell Microscopy |
| | OL-18: Cheng-Pang Chen (NCYUT, Taiwan): Systematic study on operating conditions and interaction mechanisms for enhanced VRFB Stack performance |
| | OL-19: Jnanesh Anand (CSIR-CECRI, India): From Lab to Production: Evaluating Coating Techniques for Catalyst Coated Membrane Fabrication for Scale-Up |
| 12:45 to 14:00 Hours | Group Photo & Lunch |

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| 14:00 to 14:15 Hours | Session 3.4 (Sponsor Invited Lecture): Meet the Editor! |
| 14:15 to 16:40 Hours | Rohini Kitture, Wiley: From Manuscript to Impact: An Editor's Perspective |
| | Session 3.5: Electrocatalysis (Venue: AVR)<br>Session Chair: Aninda J. Bhattacharyya, Prabeer Barpanda (IISc) |
| | IL-62: Amit Paul (IISER-Bhopal, India): Electrochemical Dimerization of 1,3-Dicarbonyls through PCET Mechanisms: Many Routes, One Destination |
| | IL-63: Ramendra Sundar Dey (INST, India): Challenges of Electrochemical Ammonia Production: Pathways to Green Future |
| | IL-64: Mohsin A. Bhat (Univ. of Kashmir, India): Surface Active Ionic Liquids: The Electrocatalytic Electrolytes for Green ELectrochemistry |
| | OL-20: Kritika Mahajan (Univ. Delhi, India): Work Function Centric Theory for Heterogeneous Electron Transfer on Graphene and Graphene/Metal Composites |

Lecture Duration (incl. of Q&A)
Plenary Lecture (PL): 40 min
Keynote Lecture (KL): 30 min

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| | OL-21: Priti Singh (CSIR-CLRI, India): Unraveling the Fundamental Understanding of Anionic Redox Chemistry in Transition Metal Oxide Cathode Materials through First-Principles Calculations | Invited Lecture (IL): 20 min<br>Industry/Sponsor Lecture: 15 min<br>Oral Lecture (OL): 10 min<br>Venues<br>AVR: AV Rama Rao Auditorium (Second Floor)<br>RBM: Rajarshi Bhattacharyya Memorial (Ground Floor)<br>ANZ: ANZ Group Capability Centre (Ground Floor) |
| | OL-22: Pranaya K. Nahak (IIT-Bombay, India): Dimensional change study of Li metal anode during operation of Solid-state battery | |
| 15:45 to 16:00 | Break | |
| | OL-23: Yanan Sun (HUB, Germany): Solvent co-intercalation in layered cathode active materials for sodium-ion batteries | |
| | OL-24: Vivek Vishwakarma (IIT-Hyd, India): Upcycling of spent lithium-iron phosphate cathode material through the embedding of pitch carbon precursor | |
| | OL-25: Rikta Das (IISc-BLR, India): Decoupling Mechanical and Ionic Properties via Molecular Engineering of Polymers for Anion Exchange Membrane Fuel Cell | |
| | OL-26: Sheetal Gupta (IIT-Indore, India): Nickel-Coated Hollow Mn-PBAs as Durable Cathodes for High-Performance for Sustainable Sodium-Ion Battery | |
| | OL-27: Mohd. Aman (IIT-K, India): Stabilisation of Metastable β-$Bi_2O_3$@Carbon Core-Shell Architecture and its Application in Na-Ion Battery | |
| 16:40 onwards | Session 3.6: Conclusions and Poster Awards | |