

**International Conference on
LEAD & LEAD BATTERIES -ENERGY STORAGE, E-MOBILITY & ENVIRONMENT
5 & 6 December 2022, Hotel Ibis, Aerocity, New Delhi**

Technical Programme (tentative)

<u>5 December 2022, Monday</u>	
08.00 hrs	Registration / Kit Collection
09.30 hrs	<u>Inaugural Session</u>
10.30 hrs	<u>CBI Workshop on Lead Battery Innovations</u>
	The Future of Lead Battery Research-The Work of the Consortium for Battery Innovation by Dr Alistair Davison, Consortium for Battery Innovation
	Lead Batteries for Energy Storage Applications by Dr Alistair Davison, Consortium for Battery Innovation
	Driving Innovation-A Market Analysis Linked to a New Lead Battery Roadmap by Dr Matthew Raiford, Consortium for Battery Innovation
	Key Research Themes for Lead Battery Research by Dr Matthew Raiford, Consortium for Battery Innovation
13.15 hrs	Lunch Break
14.00 hrs	<u>Keynote Session</u>
	Lead Battery 360° - Powering a Sustainable Future by Dr Andy Bush, International Lead Association
	Lead - Current Outlook & Future Prospects by Joao Jorge, International Lead & Zinc Study Group
	Energy Storage Potential in India & Opportunities for Lead acid & Advanced Lead acid Batteries by Dr Rahul Walawalkar, India Energy Storage Alliance
	Two & Three-wheel E-mobility in China – A Model For Other Asian Countries? by Huw Roberts, CHR Metals (Pre-recorded)
15.45 hrs	<u>Session 1: E-mobility & Energy Storage</u>
	Improving Lead Acid Technology to Suit E-vehicles – Suggested Test Plans by Dr Dipak Sen Choudhury, Exide Industries Ltd
	Advanced plate making technologies – A Boon to Enhance Lead Acid Battery performance by R Nagendran, Amara Raja Batteries Limited
	Energy Storage & Advanced Lead Batteries - Emerging Scenarios by Amlan Kanti Das, Luminous Power Technologies Pvt Ltd
	Digital Transformation in Lead Acid Battery Industry by Kalpesh Gawali, TATA AutoComp GY Batteries Pvt. Ltd
	E-rickshaw Battery - Challenges & Opportunities by Dr N Sugumaran, Consultant
	Lead Acid Batteries for e-Rickshaw - Lessons Learned & Remaining Challenges by Dr Sundar Mayavan, Central Electrochemical Research Institute
	Lead-acid Battery - How to increase life and meet warranty and beyond by C S Ramanathan, Battery Consultant (online)
	Assured Quality & Reliability: Integrating the Domestic Refined Lead Industry by Chittaranjan Rege, MCX India Ltd
	Day 1 Concludes
19.00 hrs	Networking Dinner

<u>6 December 2022, Tuesday</u>	
09.30 hrs	Special Address: Standard Operating Procedures for Recycling ULAB by Brian Wilson, International Lead Association
10.00 hrs	Session 2: Circular Economy
	Lead Acid Batteries in Tune with Global Circular Economy Trend by Ramesh Natarajan Kailad, Battery Consultant
	Lead - An Example of a Circular Economy by Mark Stevenson, Chairman, ABC
	Green Recycling of ULABs in a Changing Environment by Vijay Pareekh, Gravita India Ltd
	Battery Waste Management - Indian Scenario by V P Yadav, Central Pollution Control Board
	Regulations for Battery Waste Management in India by Bhupesh Verma, India Energy Storage Alliance
	Pollution Control Measures in a Lead Acid Battery Manufacturing Unit by K Namasivayam, Sai Envirotech
	Circular Economy – Missing Agenda in India by L Pugazhenthly
13.00 hrs	Lunch Break
14.00 hrs	Session 3: Safety & Health Care
	How to Properly Collect a Blood Lead Sample by Daniel P Askin, ESCA Tech Inc
	Keeping the Family Safe – Take Home Lead Prevention by Daniel P Askin, ESCA Tech Inc
	Lowering Blood Lead Levels Success Stories by Dr Venkatesh Thuppil, National Referral Centre for Lead Projects in India
15.00 hrs	Tea Break
15.30 hrs	Panel Session
16.45 hrs	Concluding Remarks
17.00 hrs	Conference Concludes