



INTERNATIONAL CONFERENCE ON LEAD & LEAD BATTERIES



- ENERGY STORAGE, E-MOBILITY & ENVIRONMENT

2 & 3 Dec 2019, Mumbai (Orchid Hotel), India

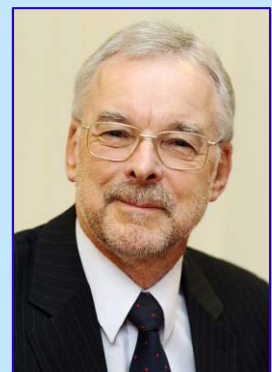
World Class Speakers:



Dr Andy Bush



Mark Stevenson



Brian Wilson



Dr Ed Shaffer II



Joao Jorge

plus Indian Experts

**Dr Rahul Walawalkar
Amlan Kanti Das
Dr S N Joshi
Dr Sundar Mayavan
L Pugazhenthly**

**Dr N Kalaiselvi,
C S Ramanathan
G Chandrashekar
Dr Venkatesh Thuppil
Ms Rashmi Nihalani &**

**Dr Dipak Sen Choudhury
Vijay Kumar Pareek
Dr N Sugumaran
Mohamad Sharif
Ms Arundhati Mukherjee**

(some more confirmations awaited)

Organized by:

**India Lead Zinc Development Association
& its affiliate
Battery Society of India**

**International Conference on
Lead & Lead Batteries - Energy Storage, E-Mobility & Environment,
2nd & 3rd Dec 2019, Mumbai***

TECHNICAL PROGRAMME (Tentative)
(Some more confirmations awaited)

Monday, 2nd December 2019

08.30 - Registration /Kit Collection

10.00 - Inaugural Session

10.40 - Tea Break

11.00 **Keynote Session**

- Special Address

“Macroeconomic Setting and Lead Market Outlook 2020”

by G Chandrashekhar, Economist, Sr. Editor & Policy Commentator

- Keynote Addresses

1. “Developing a Sustainable Global Lead Battery Value Chain”

by Dr Andy Bush, Managing Director, International Lead Association

2. “Lead – Current & Future Scenarios”

by Joao Jorge, Director-Market Research & Statistics,
International Lead and Zinc Study Group

3. Greener Storage Solutions for Energy Management”

by Dr N Kalaiselvi, Director, CSIR-CECRI

4. “Evolving Landscape for Advanced Energy Storage Technologies in India”

by Dr Rahul Walawalkar, Founder & E.D, India Energy Storage Alliance

5. “GreenSeal Bipolar Batteries: The Green Energy Storage & E-mobility Option”

by Dr Edward O. Shaffer II, CEO, Advanced Battery Concepts

13.00 - Lunch (***Hosted by Exide Industries Ltd***)

Technical Session-1

- 14.00 - “MCX Delivery – Base Lead & Zinc Futures Contracts”
by Ms Rashmi Nihalani, Asst. Vice President, Multi Commodity Exchange
- “Energy Storage Solutions for India Specific Applications – New Developments”
by Dr Dipak Sen Choudhury, President-R&D, Exide Industries Ltd
- “How to Increase Life of Lead-acid Battery?”
by C S Ramanathan, Battery Consultant
- “Lead Batteries for Solar-Voltaic Applications: An Indian Perspective”
by Dr Sundar Mayavan, Senior Scientist & Head-LAB, CSIR-CECRI
- Tea Break
- “Is Lead Acid Battery Threatened by Li-Ion – Yes & No!”
by Dr S N Joshi, Director-Technical, R&D, Greenvision Technologies P Ltd
- “Understanding Chemistry of Lead and Lithium”
by Dr Nanjan Sugumaran, Battery Consultant
- “Molecular Rebar (R) Solutions to Prevent Grid Corrosion Failures & Sulphation
by Mohamed Sharif, Application Dev. Engineer, Black Diamond Structures LLC
- Panel Discussion
- 17.30 - I Day Concludes
- 19.00 - Dinner (***Hosted by Hindustan Zinc Ltd***)

Tuesday, 3rd December 2019

- 10.00 - **Keynote Address**
- “Challenges for the Secondary Lead Industry,
The 4S’s: Slag, Sulphate, Separators & Simplicity
by Mark Stevenson, Chairman, Asian Battery Conference &
Technical Director, Global Lead Technologies
- 10.25 - **Technical Session-2**
- “Building A Brand. Building A Sustainable Business”
by Ms Arundhathi Mukherjee, Founder Director,
Aaroh Marketing & Communications Pvt Ltd

“Lead Poisoning in Adults is 100% Treatable”
by Dr Venkatesh Thuppil, Director, NRCLPI

11.00 - Tea Break

11.20 - ULAB Recycling – 360 Degree Approach
by Vijay Kumar Pareekh, Executive Director-Lead, Gravita India Ltd

11.40 - “Environment, Health, Safety & CSR in Luminous – A Journey towards Excellence
by Amlan Kanti Das, Senior Vice President-Battery Operations & R&D,
Luminous Power Technologies (P) Ltd

12.00 - “Eliminating Informal or Unorganized Recycling of Used Lead Acid Batteries
by Brian Wilson, International Lead Association

Questions & Answers

13.00 - Lunch (***Hosted by Gravita India Ltd***)

Technical Session-3

14.00 - “BMHR – An Agenda for Missing Actions”
by L Pugazhenthly, Executive Director, ILZDA

“Mitigating Occupational Exposure through Optimal Plant Design,
Maintenance & Operating Procedures”
by Brian Wilson, International Lead Association

Questions & Answers

15.15 - Tea Break

15.30 - Panel Discussion

16.30 - Concluding Remarks /Wrap Up

*** Venue**

Orchid Hotel

70-C, Nehru Road, Near Domestic Airport

Vile Parle, Mumbai 400099

Phone: 022 26164000



In association with

**International Lead Association &
International Lead Zinc Study Group**

Sponsors & Supporters

India Energy Storage Alliance

Society for Advancement of Electrochemical Science & Tech.

Recycling & Environment Industry Assn of India

Hindustan Zinc Ltd

Exide Industries Ltd

Gravita India Ltd

Luminous Power Technologies P Ltd

Microtex Energy Pvt Ltd

Waldies Compound Ltd

Pilot Industries Ltd

Engitec Technologies SPA

Wirtz Manufacturing Company

Black Diamond Structures

Nile Ltd &

Multi Commodity Exchange of India Ltd



Media Partners

Lead Recycling World,

Metal World,

MTLEXS

SSRL Directory

& Battery Directory & Year Book

Hospitality Partner

Dreamz Conference & Management P Ltd



**International Conference on
Lead & Lead Batteries
– Energy Storage, E-Mobility & Environment
2 & 3 Dec 2019, Mumbai (Orchid Hotel)**

Introduction

At present, it is a very challenging time for the lead acid battery, both the product as well as the industry. In the past also Lead Acid Battery faced similar challenges but this time it is real. Electric Mobility and Energy Storage are picking up momentum all over the world and in India too. Environment Protection and Green Recycling were the inevitable imperatives.

At the same time India, by and large, is a price-sensitive market and the population has a very rich, proven experience, in using the most affordable lead acid battery, in various applications all these decades. Lead batteries will not only contribute but also grow.

In order to take stock of the current situation and to prepare the stakeholders of the lead battery industry for the future by arriving at meaningful recommendations and strategies, short term as well as long term, India Lead Zinc Development Assn (ILZDA) & its affiliate body Battery Society of India (BSI) in association with international bodies, sponsors and supporters will be holding an **“International Conference on Lead & Lead Batteries–Energy Storage, E-mobility & Environment”** during 2&3 Dec 2019 (Monday & Tuesday) at Mumbai (Venue: Orchid Hotel).

Focus Area

The event will focus on: lead & its production, technology developments in lead acid battery manufacture, emerging scenario, new additives, alloys, battery life performance, testing, existing and new markets (electric vehicles & renewable energy), quality assurance, sustainable development, recycling, environmental regulations & norms, occupational exposure precautions etc., Technical presentations will be made by well known overseas as well as Indian experts.

Sponsorship

Progressive industry leaders & other stakeholders are invited to support the event as cosponsors. The cosponsors are requested to send their video presentation on their company/ products, which will be projected repeatedly during the breaks in the conference, lunch / tea etc.,

Sponsoring companies, will receive wide publicity & they will have the following complimentaries:

1. **Gold** (Rs 500,000): A technical presentation, lunch or dinner hosting, 8 delegates or volumes, wide publicity in the banner & standees, & front/ back cover color advt in the conference volume & table top display.
2. **Silver** (Rs 300,000): A technical presentation, refreshments hosting, 6 delegates or volumes, wide publicity in the banner & standees, color special full page advt in the volume & table top display.
3. **Bronze** (Rs 200,000): Refreshments sponsorship, 4 delegates or volumes, wide publicity in the banner & standees, color full page advt in the volume & table top display.
4. **Brass** (Rs 100,000): Sessions sponsorship, 3 delegates or volumes, wide publicity in the banner & standees, color full page advt in the volume.

Registration Fee

Registration fee covers participation in the conference, lunches & dinner, social event, kit, refreshments, etc.,

Fees for Indian Delegates (includes 18% GST)

	ILZDA Members	Non Members	Education, R&D setups
Single Delegate	Rs.10000	Rs.12500	Rs.7500 per head
Two Delegates	Rs.17500	Rs.22000	
Three Delegates	Rs.25000	Rs.30000	
Five Delegates	Rs.40000	Rs.50000	

Fees for Overseas Delegates

Single Delegate	US\$ 200
Two Delegates	US\$ 300
Three Delegates	US\$ 400

Change of nominations/names is allowed. For cancellations 50% will be deducted and the balance will be refunded (10 days before the event, no refund)

Advertisement (includes 5% GST)

Conference volume will feature advertisements that have a permanent reference value. Front & back cover advts on a "FIRST COME, FIRST SERVE" basis, reserved for the Gold Sponsors only. Advt. charges are as follows:

Special page (color)	Rs.30000/-
Full page (color)	Rs.20000/-
Full page (black & white)	Rs.10000/-

Special Page Color & Full Page Color advertisers are entitled to one complimentary participation.

Venue

Orchid Hotel
70-C, Nehru Road, Near Domestic Airport,
Vile Parle, Mumbai-400099
Phone: 022 2616 4000

At the venue hotel Orchid, some rooms have been block-booked at a concessional tariff to be settled by the guests directly. For room booking and the charges, please contact our Hospitality Partner Mr Jitin Batra (Email id: info@dreamztravel.net; Mobile: 09810558569)

Payment

All cheques to be drawn in favour of "India Lead Zinc Development Association":
For NEFT/ RTGS, our bank details are given below:

1. For domestic remittances

Current Account No.:	06291010000100
Name of Bank & Branch:	ORIENTAL BANK OF COMMERCE 45,Tughlaqabad Institutional Area New Delhi 110 062
IFSC Code :	ORBC 0100629
Account Name:	INDIA LEAD ZINC DEVELOPMENT ASSOCIATION

2. For international remittances

Bank Name:	INDIAN OVERSEAS BANK
Address:	B-2 Market, Safdarjung Enclave New Delhi-110029, India
Current Account No.	091902000002858
Account Name:	INDIA LEAD ZINC INFORMATION CENTRE
Swift Code:	IOBAINBB408; AD Code: 0270415
IFSC Code:	IOBA 0000919

Hospitality Partner

For all travel and hotel related queries as well as visa, airport transfer/ pickup, sight-seeing etc., kindly contact our Hospitality Partner:

Mr.Jitin Batra, Dreamz Conference Management Pvt. Ltd
Mobile: 09810558569; Tel: +91-11-41586401, Fax: +91-11-41586042
Email: info@dreamztravel.net
Address: 218, 2nd Floor, Ansal's Majestic Towers
G-Block, Vikaspuri, New Delhi- 110018

Weather

December in Mumbai is just pleasant. Dress Code: Suit or formal

For any clarifications, enquiries etc., please contact:

India Lead Zinc Development Association
Jawahar Dhatu Bhawan, 39, Tughlaqabad Institutional Area
M.B. Road, New Delhi-110 062
Ph: 011-26056889, 26057360, 29955536, Fax: 011-29956522
Email: ilzda.info@gmail.com; Web: www.ilzda.com