

# Pb 2019

MADRID  
JUNE  
19-21

**ila**  
International  
Lead Association

CONSORTIUM FOR  
BATTERY  
INNOVATION

Pb2019 is organised by the International Lead Association — the only global organisation dedicated to supporting the interests of lead and its users.



## CONFERENCE PROGRAMME

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**19**  
**JUNE**

The 4th ILA Lead Occupational Exposure Management Workshop will take place at the Melia Princesa Hotel in Madrid, Spain, 19 June.

## **4th ILA Lead Occupational Exposure Management Workshop**

The International Lead Association will host the Fourth Lead Occupational Exposure Management Workshop prior to the 21st International Lead Conference (Pb2019).

This important one-day event, co-hosted by EUROBAT, is designed to inform participants about the latest developments on occupational lead exposure management, and to facilitate an information sharing session through in-depth discussions with fellow EHS professionals.

### **The sessions are as follows:**

Background briefing on legislation, science and the current performance of the lead and lead battery industry following adoption of the new employee blood lead target of 20mcg/dL

- Best practice sharing from lead producers and companies involved in battery recycling and manufacturing
- Engineering Controls and PPE Masterclass including ventilation engineering systems and PPE design, use and maintenance
- Medical professional perspectives on workplace exposure issues

**Early registration is recommended to secure a place as the number of workshop participants is limited and spaces will be allocated on a first-come, first-serve basis.**

**Background briefing. Legislation, science and exposure levels**

**Sharing Best Practice**

**Engineering Controls and PPE Masterclass**

**Information Sharing Carousel – Rising to the Challenge of a 20µg/dL Employee Blood Lead Target**

**Chairman: Steve Binks, International Lead Association**

**Chairman: Stefan Gielis, EUROBAT**

**Chairman: TBC**

**The aim will be for interactive discussions to be held in each group. A moderator will guide discussions and will report back main observations to the wider plenary group. Moderators: Stewart Ayrey, Steve Sadhra, Cris Williams**

**Opening Remarks – Continuous Improvement**

Steve Binks, International Lead Association, United Kingdom

**Penox**

Denis Doiseau, Penox, Germany

**Controlling emissions at source – Factors affecting performance of Local Exhaust Ventilation (LEV) systems**

Steve Sadhra, Institute of Occupational and Environmental Medicine, Birmingham University, United Kingdom

**Keynote Speaker: Development of a new EU binding limit value for Pb**

Laura Vicente, DG EMPL, Luxembourg

**Exide**

Javier Elso Gálvez, Exide, Spain

**Implementing an effective respiratory protection programme in challenging applications**

Stewart Ayrey, 3M, United Kingdom

**Industry Voluntary Initiatives - How are we doing?**

- International Lead Producers - Steve Binks, International Lead Association, United Kingdom
- European Battery Industry – Stefan Gielis, EUROBAT, Belgium
- US Battery Industry – Kevin Moran, Battery Council International, United States

**HJ Enthoven Ltd**

Mark Ashmore, H J Enthoven, United Kingdom

**EUROBAT Member Company**

To be confirmed

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To be confirmed

**Teck - Exposure Reduction in a Canadian Primary Lead Producer**

Chris D'Odorico, Teck Metals Ltd, Canada

**What is a scientifically justified blood and air limit for Pb?**

Cris Williams, International Lead Association, United States

**Experience in managing employee exposures in regions outside Europe and North America**

To be confirmed

**TRG505 - The German experience in developing technical rules to deliver employee blood lead levels of 15µg/dL**

Stefan Buch, Ecobat, Germany

- Respirator selection, cleaning and communication
- Ventilation and control of exposure at source
- Administrative controls (smoking, breakrooms, removal policies, incentives)
- Report Back (10mins per group)

**Concluding Remarks and Close of Workshop**

Steve Binks, International Lead Association, United Kingdom

**20**  
**JUNE**

**OPENING REMARKS**

**Andy Bush**

*Managing Director*  
ILA  
United Kingdom

**Florian von Steinkeller**

*Executive General*  
*Manager*  
Britannia Refined Metals  
ILA Chairman  
United Kingdom

■ **18.30**  
**Pb2019 Conference**  
**Dinner**

Session

**Future outlook  
for lead and  
lead batteries**

**Aim**

To consider the global outlook for lead and lead batteries through the views of leading industry analysts.

**Lead Market Outlook: Can the primary side deliver?**

Christine Meilton, CRU, United Kingdom

**In all the EV hype, don't forget the e-bike**

Huw Roberts, CHR Metals Limited, United Kingdom

**Recent domestic policy developments and their implications for China's lead industry**

Jianbin Meng, International Lead and Zinc Study Group, Portugal

**Over the hill or more to give? Future market outlook for lead batteries**

Geoffrey May, Focus Consulting, United Kingdom

**The path to extinction? Do recent developments in the global regulatory landscape really threaten lead's future?**

Steve Binks, International Lead Association, United Kingdom

**Lead metallurgy is fundamental to the circular economy**

Markus Reuter, Director-Helmholtz-Institute Freiberg for Resource Technology, Germany

**Panel discussion**

Session

**Innovation:  
A roadmap for  
advanced lead  
batteries**

**Aim**

The Consortium for Battery Innovation is publishing a technical roadmap setting out a research programme with performance targets designed to help fast-track the development of the next generation of lead batteries. This session will include a discussion on the roadmap and new market opportunities for lead batteries.

**The future for lead batteries – The work of the Consortium for Battery Innovation, United Kingdom**

Alistair Davidson, Consortium for Battery Innovation, United Kingdom

**Recent advancement in lead battery technology and future innovations**

Francisco Trinidad, Exide Europe, Spain

**Opportunities for lead batteries in energy storage applications**

Angie Rolufs, Paragon, United States

**Expanding energy storage market in India and the increasing role of lead batteries**

L Pugazhenthay, India Lead Zinc Information Center, India

**Panel discussion**

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JUNE

Session

**Demonstrating responsible management of lead in the battery value chain**

**Aim**

To ensure the future sustainability of lead batteries, concerns over raw material sourcing and the environmentally sound management of end-of-life products must be addressed. This session considers initiatives to tackle reputational challenges associated with lead batteries.

**Materials Stewardship - maximising sustainability of metals**

John Atherton, Metal Stewardship Ltd, United Kingdom

**The London Metals Exchange Responsible Sourcing Initiative**

Hugo Brodie, London Metal Exchange, United Kingdom

**Understanding the scale of the problem, crafting solutions: The health threat posed by informal battery recycling in low and middle income countries**

Richard Fuller, Pure Earth, United States

**Improving sustainable lead battery manufacturing and recycling in the developing world**

Vijay Pareekh, Gravita, India

**Rebuilding trust -the importance of setting continuous improvement targets for EHS performance of companies in the lead battery value chain**

Jason Jones, Ecobat Technologies, United Kingdom

**Addressing stakeholder concerns-progress in the development of a lead battery value chain stewardship programme**

Johann-Friedrich Dempwolff, Johnson Controls Power Solutions EMEA, Germany

**Panel discussion**

Session

**Who cares about lead anyway?**

*Improving awareness and understanding of lead and lead batteries.*

**Aim**

To discuss communications programmes that are positioning lead batteries as key enablers for decarbonisation, electrification and the circular economy.

**Seeking recognition for lead and lead batteries through globally coordinated communication initiatives and messaging**

Hywel Jarman, International Lead Association, United Kingdom

**Being part of the conversation – the role of companies in effective communications**

Donna Snyder, East Penn Manufacturing, United States

**EU communications programme in support of lead battery advocacy objectives**

Gert Meylemans, EUROBAT, Belgium

**Essential Energy Everyday – telling the lead battery story in the United States.**

Lisa Dry, Battery Council International, United States

**Panel discussion**