

Pocket Guide



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Tuesday September 15th

11:00-18:00	Registration	Foyer D
18:00-19:30	Welcome Reception	K Terrace

Wednesday September 16th

08:00-18:00 **Registration**

09:00 Plenary **Hall D**
Chair: Rob Wilson, Teck Metals

- 09:00 Opening Remarks
Andy Bush, Alistair Davidson, Rob Wilson
- 09:20 Global Electricity Demand, Power Generation Trends, and the Strategic Role of Battery Energy Storage
Norbert Maleschitz - Executive Vice President & Chief Operating Officer, East Penn Manufacturing Co
- 09:45 Complementary Growth: Navigating Battery Market Dynamics and Technology Co-Existence to 2030
Martin Seban - Director, Strategy & Operations, KPMG France
- 10:10 Lead: A Resilient and Stable Market But Not Without Underlying Risk
James Griffiths - Lead and Silver Market Analyst, CRU

10:35 **Expo Hall Open** Expo Hall

10:35 **Coffee Break** Expo Hall

11:15 Plenary Continued **Hall D**
Chair: Hywel Jarman, International Lead Association

- 11:15 Low Voltage, High Stakes: Why LV Battery System Design is Critical for Today's and Future Vehicle Architectures
Christian Rosenkranz - Vice President Industry and Governmental Relations EMEA, Clarios
- 11:40 The Road to Electrification: CBI's Global Technical Research Priorities
Matt Raiford - Senior Technical Director, Consortium for Battery Innovation

12:00 Panel

Panellists: James Griffiths, Norbert Maleschitz, Matt Raiford, Christian Rosenkranz, Martin Seban

12:20 International Lead Award

Andy Bush – Executive Director, International Lead Association

12:30 **Lunch**

Expo Hall

13:45* Latest Innovations in Lead Battery Technology

Hall D

Chair: Matt Raiford, Consortium for Battery Innovation

***Attention:** Parallel sessions

13:45 The CBI Technical Program: Advanced Lead Batteries for Key Applications

Begüm Bozkaya – Senior Technical Manager, Consortium for Battery Innovation

14:05 GEM (Glass Electrode Material): New Electrode System From Hollingsworth & Vose and Arcactive

Shane Christie – CTO, Arcactive Ltd; Nicolas Clement – R&D Director for Energy Solution and Fiber, Hollingsworth & Vose

14:25 Anisotropic Behaviour and Environmental Sensitivity of Absorptive Glass Mat (AGM) Separators

Richard Pekala – Chief Technology Officer, ENTEK Technology Holdings LLC

14:45 **Coffee Break**

Expo Hall

15:10* The Role of Lead Batteries in Energy Storage Systems

Hall D

Chair: Alyssa McQuilling, Consortium for Battery Innovation

15:10 The Unique Advantage of Bipolar BoxBE®

Ed Shaffer – CEO, Advanced Battery Concepts

15:30 From Recycling to Resilience: Gel VRLA Batteries in the Future Energy System

Ganesh Moorthi – CTO, Luminous Power Technologies Pvt Ltd

15:50 Lead Batteries in Microgrids: A Systematic Review and Implementation of Digital Twin Paradigm

Sandesh Acharya – Lead, Electrical Engineer, Ulteig Engineers

16:10 Operando Confocal Raman Microscopy of Lead Acid Batteries for ESS

Pritpal Singh – Professor of Electrical Engineering, Villanova University

13:45* Supplier Forum**K2**

Chair: Kevin Campbell, Digatron Group, and Doug Lambert,
Wirtz Manufacturing Company

- 13:45 Toward Dross-free Ingot Production: The Advanced Wet & Dry Lead Casting Line
Carmelo Maria Brocato – Commercial & Marketing Director, Engitec Technologies
- 13:55 Flexibility and Efficiency in Lead Battery Assembly
Francesco Capuzzo – Sales Director, ANDRITZ Sovema
- 14:05 Maximizing AGM Battery Lifespan: The Role of High-Quality Valve in Automotive Batteries
Klaus Dieter Merz – Vice-President Technology, Abertax Technologies Ltd
- 14:15 Latest Innovations in the Lead Battery Recycling Sector
Alberto Bergamaschini – Commercial Director, STC Srl
- 14:25 High Efficient Modular Machine Design for AGM and SLI Battery Production Lines
Michael Wipperfuerth – Vice President Sales, CMWTEC Technology GMBH
- 14:35 The Future of Used Lead Battery Storage & Transport?
David Bush – Director/General Manager, Uniseg Products

14:45 Coffee Break

Expo Hall

15:10* Supplier Forum**K2**

Chair: Kevin Campbell, Digatron Group, and Doug Lambert,
Wirtz Manufacturing Company

- 15:10 New Carbon Additives for Advanced Lead-Acid Batteries Negative Plates – BET and Surface Treatment Effects on Charge Recovery
Pascual García Pérez – R&D Team Leader, Imerys Graphite & Carbon
- 15:20 From Refining Kettle to Ball Mill in One Step: Cutting CAPEX, Dross Losses and On-Site Lead Emissions via Direct Cylinder Casting
Maurizio Mori – Head of Sales & Strategy, GME Recycling
- 15:30 Mass Production Applications of Glass Fiber Pasting Paper and Breakthrough Research on Glass Fiber Separators for Lead-acid Batteries
Xiaoying Du – General Manager, Shandong Province Shenxian Huayang Industrial Co., Ltd.
- 15:40 Collaborative R&D Enables Development of New Lead Alloys and Processing Methods to Improve Deep Cycle Battery Life and Improve Energy Efficiency
Michael McDonagh – CTO, Microtex

- 15:50 Enhancing Battery Longevity through Robust Monitoring Devices in Battery Applications
Malcolm Tabone – CEO, Abertax Technologies Ltd
- 16:00 HFSAB Lead Extrusion Technology – A Unique Lead Strip Manufacturing Perspective For Advanced Lead Acid Batteries
Joachim Seitz – Chief Executive Officer, H. Folke Sandelin AB
- 16:10 The Cold Circularity Paradigm: 100% Fusion-Free Lead Scrap Recovery and Processing
Francesco Marfisi – Sales Manager, CAM Srl

16:30 Lead Battery ESS: Crucial to Many Applications **Hall D**
Chair: Geoffrey May, FOCUS Consulting
Panellists: Shane Christie, Alyssa McQuilling, Bernhard Riegel, Ed Shaffer, Vivek Abrol.

17:15 **Sessions End**

17:30–18:30 **WGBI Reception** K Terrace

Thursday September 17th

08:00–18:00 **Registration** Foyer D

09:00 **Expo Hall open** Expo Hall

09:00 Plenary **Hall D**
Chair: Alistair Davidson, Consortium for Battery Innovation

- 09:00 Welcome Remarks
Alistair Davidson – Executive Director, Consortium for Battery Innovation
- 09:05 Energy Storage Market Outlook and Policy Requirements
Evan Hartley – Battery Cells Research Manager, Benchmark Mineral Intelligence
- 09:30 Industrial Lead Battery Global Market Trends and Forecast
Amogh Karwa – Director, Global Product Management, Hollingsworth & Vose Company / GmbH
- 09:50 Lead Battery Market Potential in Asia
Dong Li – Founder & President, Leoch International Technology Ltd

10:10 Powering the Future: Energy Storage and Market Transformation in South America
Spartacus Pedrosa – Lithium Operations Director, Moura

10:30 **Coffee Break** Expo Hall

11:10 Plenary Continued Hall D
Chair: Mark Stevenson, Global Lead Technologies

11:10 The EU Battery Regulation: Where We Stand in 2026
Steve Binks – Senior Director of Regulatory Affairs, International Lead Association

11:30 Sustainability at Scale: How Circular Battery Systems Are Powering the Future of Mobility
Oliver Schrader – Manager Government Relations & Sustainability EMEA, Clarios

11:50 A Filtered View of Battery Forecasts & Claims
Ray Kubis – Chief Executive Officer, SiliconJoule

12:10 Panel Session
Panellists: Evan Hartley, Amogh Karwa, Ray Kubis, Dong Li, Spartacus Pedrosa, Oliver Schrader

12:30 **Lunch** Expo Hall

13:45* Next Generation Additives K2
Chair: Begüm Bozkaya, Consortium For Battery Innovation

***Attention:** Parallel sessions

13:45 New Tools Supporting Lead-Acid Battery Makers from Addenda, APG, and Black Diamond Structures
Paul Everill – CTO, Black Diamond Structures, LLC

14:05 Research on Negative Additives Suitable for High-temperature Formation
Liang Yunchao – Researcher-level Senior Engineer, Director of Lead-Acid Battery R&D Department, R&D Center, Shandong Jinkeli Power Sources Technology Co., Ltd

14:25 The Change of Barium Sulphate in Negative Active Materials During the Operation of Lead Acid Battery
Enqin Gao – Director, Research & Development, Hammond Group Incorporation

14:45 **Coffee Break** Expo Hall

15:10* Innovative Battery Developments**K2**

Chair: Bernhard Riegel, Hoppecke Batterien GmbH

15:10 Future Project Concepts and Collaboration Opportunities*Carl Telford – Research & Innovation Director, Consortium for Battery Innovation***15:30 Investigation of the Synergistic Effect of Mesoporous Carbon and CeO₂ in the Negative Active Mass on the Water Consumption, Capacity and Cyclability of Flooded Lead-Acid Batteries (LABs)***Marco Cattelan – PhD student, University of Padova***15:50 Lead-Acid Battery-Electrolyser Field Trial Deployment – Lessons Learnt***Dani Strickland – Prof of Electrical Power, Loughborough University***16:10 Advancements in Bipolar Lead-Acid Battery Technology Using Silicon Wafers as a Conductive Membrane***Maureen Sherrick – Senior Product Development Chemist, Gridtential Energy***13:45* Lead Batteries: Enabling Greater Resiliency On The Grid****Hall D**

Chair: Roger Miksad, BCI

13:45 Building Durable Collaborations Between Industry and Academia: The Consortium for Lead Battery Leadership*Alyssa McQuilling – Research & Innovation Manager, Consortium for Battery Innovation
Courtney Greco – Technical Projects Manager, BCI***14:05 Paradigm Shift in Battery Backup Requirement with Evolution of AI Load in Indian Datacenter Application***Antara Bhattacharjee – Deputy Manager – Reserve Power, VRLA R&D, Exide Industries Limited
Sagar Sengupta – Technology Head – VRLA Standby, Exide Industries Limited***14:25 Pure Lead Battery Technology as a Sustainable High-Power Energy Storage Solution for UPS Applications***Götz Langer – Senior Expert Lead Development, Hoppecke Batterien GmbH & Co. KG***14:45 Coffee Break****Expo Hall**

15:10* Enabling Partial State of Charge

Hall D

Chair: Grace Rocha, Moura

15:10 Transient of PAM Potential and Fast SoF Recovery After Recharge at Low Temperature: Elevated Discharge Potential and Enhanced Pseudo-Capacitance Reflecting Nano-Sized Structure of PbO₂

Eberhard Meissner – Consultant

15:30 From Development to Deployment: Re-Engineering Lead-Acid Cells for Dual Energy Storage and Hydrogen Production

Elizabeth Ashton – Senior Research Associate, Loughborough University

15:50 Structurally Engineered Carbon-Silica Additives for Next-Generation Lead Acid Batteries

Cansu Çamlık – Senior R&D Engineer, İnci Akü

16:10 Next-Generation Auxiliary Batteries: Enhancing DCA and Cycle Life with Novel Pb-Carbon Cloth Composites

Shu-Huei Hsieh – Associate Professor/Chair of Department of Materials Science & Engineering, National Formosa University

16:30 The Importance of Stakeholder Engagement for the Battery Industry

Hall D

Chair: Hywel Jarman, International Lead Association

Panellists: Matt Raiford, Elizabeth Ashton, Pritpal Singh, Carl Telford

17:15 Expo Hall Closed / Sessions End

Expo Hall

19:00 Gala Evening

Join us for a spectacular night in Vienna's historic centre for a gala evening to remember with traditional Viennese dishes and live music. Please bring your conference badge for entry.

Venue: Volksgarten Club

Dress code: Relaxed

Location: The 'Volksgarten' Club is situated on Burgring in the 1st district.

Underground: U2/U3 – Volkstheater Station

Tram: Lines 1, 2, D, 71 – Burgring Station

Bus information:

- Transfers to the Gala start at 18:30, with the last bus departing at 19:00.
- Return transfers from the Gala start at 21:00.

Friday September 18th

08:00–13:00 **Registration**

Foyer D

09:00* Recent Battery Development and Future Perspectives

K2

Chair: Ed Shaffer, Advanced Battery Concepts

***Attention:** Parallel sessions

09:00 Advanced NeutronBased Characterization of Lignosulfonates in Lead Battery Negative Electrodes

Carter Abney – Technical Application Manager, Borregaard

09:20 EUROBAT Batteries Innovation Roadmap 2035 – European industry perspective

Bernhard Riegel – Research and Development Director, Hoppecke Batterien GmbH

09:40 Monitoring and Management of Positive Grid Corrosion in Lead Batteries

Angel Kirchev – Director of Research, CEA-LITEN

10:00 **Coffee Break**

K2 Foyer

10:25* Cutting Edge Methods to Improve Battery Performance

K2

Chair: Bernhard Riegel, Hoppecke Batterien GmbH

10:25 Regulating Active Mass Architecture with Hybridized Carbons for Advanced Automotive Lead-Acid Batteries

Sreedhar Naidu – Amara Raja Energy & Mobility Ltd

10:45 Modeling Magnetic Field Probing for Lead Battery Diagnostics

Alejandra Risco Bravo – Graduate Research Assistant, Villanova University

11:05 Understanding Battery Ageing through Laser Microscopy – Aging in Cycle Life Testing vs. Aging under Field Operation of Automotive Batteries

Rainer Bußar – Head of R&D / Entwicklungsleiter, PENOX GmbH

11:25 BARS: Electrochemical Assessment and Rejuvenation Helping AGM Batteries to Double Service Life

Boris Monahov – Chief Science Officer, Wavetech Group

09:00* Current Developments in Automotive Batteries K1

Chair: Jose Otavio, Moura

- 09:00 Supporting the Car Industry to Successfully use Lead 12V Batteries
Eckhard Karden – Consultant
- 09:20 Lead Battery Strategies for Functional Safety Applications
Olaf Sielemann – VP Engineering Core Products, Clarios Germany GmbH & Co. KG
- 09:40 Structural and Surface Chemical Origin of Pseudocapacitance in Positive Active Mass during Charge Recovery of Lead–Acid Batteries
Plamen Nikolov – Assoc. Prof. / Director, Institute of Electrochemistry and Energy Systems – BAS

10:00 **Coffee Break**

K2 Foyer

10:25* Current Developments in Automotive Batteries K1

Chair: Bernd Engwicht, East Penn Manufacturing

- 10:25 Analysis of State-of-Function Recovery Mechanisms During Simulated Real-World Vehicle Operation
Jonathan Wirth – Research Scientist, BatterieIngenieure GmbH
- 10:45 Charge Peak Absorption in Automotive Lead Batteries
Abderrezak Hammouche – Senior Manager, Electrochemistry Laboratory, Clarios
- 11:05 New Carbon Additives for Positive Pates in Advanced Lead–Acid Batteries: Effect on Charging Efficiency and Safety Function Improvements
Pascual Garcia Perez – R&D Team Leader, Imerys Graphite & Carbon
- 11:25 Comparative Analysis of End-of-Life Performance of Charge Recovery and PPC in Lead–Acid Batteries
Jacob Armstrong – Research Assistant, Villanova University

11:45

Where Do Lead Batteries Head Next in Automotive Applications?

K2

Chair: Norbert Maleschitz, East Penn Manufacturing Co

Panellists: Eckhard Karden, Aaron Bollinger, Grace Rocha,
Olaf Sielemann, Begüm Bozkaya, Luca Brisotto

12:30

Closing Remarks

*Alistair Davidson - Executive Director,
Consortium for Battery Innovation*

12:45

Conference Close

Notes

Expo Stands

No.	Exhibitor Name	
37	A.T.I. Applicazioni Tecnologie ad Iniezione S.p.A	
86	Abertax Technologies	
114	Abhison Engineering LLP	
137	Accuma	Silver
35	Accumalux S.A.	
41	Accurate Products	
101	Ahlstrom	
99	Akumsan Aku Malzemeleri ve Arac Donusum Teknolojileri A.S.	
117	Alfakutu ve plastik san tic ltd sti	
90	Alpha Beta Fiberglass Product Co., Ltd	
42	Amer-Sil	
125	ANDRITZ Sovema S.p.A.	
26	Aquila Forged Metals	
105	Associated Electrochemicals Pvt Ltd	Silver
126	Atomized Products Group, Inc.	
122	Batek	Bronze
19	Battery Technology Source Co., Ltd	
4	Battery Watering Technologies	
45	Bernard Dumas	
116	Better Technology Group Ltd	Bronze
32	bfs batterie füllungs systeme GmbH	
72	Biasin S.P.A. – PP Battery Components	
51	BJ Industries	
12	Booyeoung Engineering	
57	CAM SRL	
40	Chang Zhou Julian Battery	
8	Changxing Jiguang New Energy Technology Co., Ltd	
93	CMWTEC Technologie GmbH	
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36	Consortium for Battery Innovation	
22	Continuus-Properti S.P.A.	
15	Creative Fibre Products Pvt. Ltd	
100	Daramic	Bronze
96	Design India	
25	Digatron Power Electronics GmbH	
135	DITEC Engineering – Degani, Ferrazza, H2SRL, La Pneumatica	
78	DSC Energy Corp	
79	Eagle Oxide	
13	EBC Korea	
71	Engitec Technologies S.p.A.	Bronze
48	Entek	Gold
131	Eswari Global Metal Industries Pvt Ltd	
103	Frimax, LL Rotary solutions	
109	Froetek	
124	GME Recycling	
88	Golden Sunlight Power Equipment Technology Co., Ltd	
106	Goonvean Group	
46	Guangzhou TongShangDe Intelligent Equipment Co., LTD	
50	H. Folke Sandelin AB	
89	HADI-Maschinenbau	
47	Hammond Group UK	Silver
60	Heilongjiang Fanghan Technology Co., Ltd	
111	Hollingsworth & Vose	
59	Hubei Lham Energy Tech Co., LTD	
11	Hunan RE Technology Co., Ltd.	
31	Imerys	
36	International Lead Association	
18	Jiangsu Derongfu Rubber & Plastic Technology Co., Ltd.	
95	Jiangsu Dongshun New Energy Tec. Co., Ltd	

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9	Jiangsu Sanhuan	
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123	Nanjing Fiberglass Research & Design Institute Co.,Ltd.	
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55	Shandong Xinxu Group Corporation	
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110	Taizhou Huangyan JMT Mould Co, Ltd	
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54	Uniseg Products	
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83	WEGMANN automotive GmbH	
70	Wirtz	Bronze
77	Wuhan Hilans Automation Machine Co., Ltd.	
91	Zhejiang Hongda Special Rubber products co ltd	
97	Zhejiang Yuanrun Intelligent Equipment Co.,Ltd.	
34	Zhenjiang Yunfeng Power Material Co., Ltd.	
61	Zhongshan Kenpo Plastic Tech Co., Ltd.	

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