

Friday 5 May 2023

Lithium & Battery Technology Conference

7.30am	Presenter Briefing	Goldsworthy
8.00am – 5.30pm	Registration Desk Open	Foyer 1
8.00am	Arrival Tea and Coffee	Grand River Foyer
8:30am – 10:45am	OPENING SESSION	Grand River Ballroom West
8.30am	Welcome by the Conference Chair Richard Macoun , Future Battery Industries CRC, Australia	
	Chair: Leslie Miller , OLI Systems, USA	
8.45am	Keynote Address: Value Adding Opportunities for Australian Battery Critical Minerals Jacques Eksteen , WA School of Mines, Minerals & Chemical Engineering, Curtin University, & Future Battery Industries Cooperative Research Centre, Australia.	
9.25am	Comply or Collapse: The Dilemma Facing The Lithium-Ion Battery Industry Adrian Griffin , Future Technology Trust, Australia	
9.50am	Lithium Extraction from A-Spodumene by Hydroalkaline Treatment: Recent Progress and Outstanding Considerations Bogdan Z Dlugogorski , Energy and Resources Institute, Charles Darwin University, Australia	
10.15am – 10.45am	MORNING TEA	Golden Ballroom
	Chair: Adrian Griffin , Future Technology Trust, Australia	
10.45am	Design of Crystallisation Plants for The Production of Battery Grade Lithium Hydroxide Katherine Lombard , JordProxa, South Africa	
11.10am	Process Modelling and Life Cycle Assessment: A Case Study On Primary Lithium Production Mike Dry & Laurens Tijsseling , Arithmetek Inc Canada, Minviro, UK	
11.35am	Simulating Mass and Chemistry Balance in a Direct Lithium Extraction Process Leslie Miller , OLI Systems, USA	
12.00pm – 1.00pm	LUNCH	Golden Ballroom
	Chair: Lydia Tang , LANXESS, Australia	
1.00pm	Leo Yew , Lithium Consultants Australasia, Australia (Presentation Withdrawn)	
1.25pm	A Robust Method Developed for Species Analysis During a Typical Hydrometallurgical Test Work Programme for Production of Battery Grade Phosphoric Acid – A Mintek Package Happy Mabowa , Mintek, South Africa	

	<i>Forum: Battery Recycling</i>
1.50pm	Modelling of Multicomponent Ion Exchange in Lithium Ion Battery Recycling Tobias Wesselborg , <i>LUT University, Finland</i>
2.15pm – 2.45pm	AFTERNOON TEA <i>Golden Ballroom</i>
	Chair: Richard Macoun , <i>Future Battery Industries CRC, Australia</i>
2.45pm	A Study on the Recycling of Lithium-Ion Batteries From Newly Generated Rechargeable Small Electronic Devices Mooki Bae , <i>Korea Institute of Geoscience and Mineral Resources (KIGAM), Republic of Korea</i>
3.10pm	Lithium Ion batteries in The Circular Economy – New Developments from CSIRO Thomas Ruether , <i>CSIRO Energy Technology, Australia</i>
3.35pm	Treatment of Black Mass: A Review of Hydrometallurgical Flowsheets Under Consideration Niels Verbaan , <i>SGS Minerals Services, Canada</i>
	Application of Lewatit® Ion Exchange Resins in the Sustainable Extraction, Purification and Recycling of Critical Battery Metals, Li, Ni, Co & Cu Dirk Steinhilber , <i>LANXESS Liquid Purification Technologies, Germany</i>
4.00pm	Panel: Developments in Battery Technology Chair: Richard Macoun , <i>Future Battery Industries CRC, Australia</i>
	Student Volunteer: Deepak Kumar , <i>Curtin University, Australia</i>
4.30pm	Lithium & Battery Technology Conference Concludes