

Lithium-Battery Conference

	Page
Keynote Address: <u>Value Adding Opportunities for Australian Battery Critical Minerals</u> Jacques Eksteen , <i>Chief Scientist of the Future Battery Industries Cooperative Research Centre and Professor in Chemical and Extractive Metallurgical Engineering at WA School of Mines, Minerals & Chemical Engineering at Curtin University, Perth, Australia.</i>	1
<u>Comply or Collapse: The Dilemma Facing The Lithium-Ion Battery Industry</u> Adrian Griffin , <i>Future Technology Trust, Australia</i>	23
<u>Lithium Extraction from A-Spodumene by Hydroalkaline Treatment: Recent Progress and Outstanding Considerations</u> Bogdan Z Dlugogorski , <i>Energy and Resources Institute, Charles Darwin University, Australia</i>	36
<u>Design of Crystallisation Plants for Battery Grade Lithium Hydroxide Product from Spodumene (Abstract to be added)</u> Katherine Lombard , <i>JordProxa, Australia</i>	46
<u>Process Modelling and Life Cycle Assessment: A Case Study On Primary Lithium Production</u> Mike Dry & Laurens Tijsseling , <i>Arithmetek Inc Canada, Minviro, UK</i>	57
<u>Simulating Mass and Chemistry Balance in a Direct Lithium Extraction Process</u> A.J. Gerbino , <i>OLI Systems, USA</i>	72
<u>A Robust Method Developed for Species Analysis During a Typical Hydrometallurgical Test Work Programme for Production of Battery Grade Phosphoric Acid – A Mintek Package</u> Rasoul Hassanalizadeh , <i>Mintek, South Africa</i>	84
<u>Modelling of Multicomponent Ion Exchange in Lithium Ion Battery Recycling</u> Tobias Wesselborg , <i>LUT University, Finland</i>	95
<u>A Study on the Recycling of Lithium-Ion Batteries From Newly Generated Rechargeable Small Electronic Devices</u> Mooki Bae , <i>Korea Institute of Geoscience and Mineral Resources (KIGAM), Republic of Korea</i>	114
<u>Lithium Ion batteries in The Circular Economy – New Developments from CSIRO</u> Thomas Ruether , <i>CSIRO Energy Technology, Australia</i>	125
<u>Treatment of Black Mass: A Review of Hydrometallurgical Flowsheets Under Consideration</u> Niels Verbaan , <i>SGS Minerals Services, Canada</i>	135
<u>Application of Lewatit® Ion Exchange Resins in the Sustainable Extraction, Purification and Recycling of Critical Battery Metals, Li, Ni, Co & Cu</u> Dirk Steinhilber , <i>LANXESS Liquid Purification Technologies, Germany</i>	151