



**LITHIUM - ION
BATTERY MATERIALS
AND PRODUCTION
PROCESSES
MASTERCLASS**



LITHIUM-ION BATTERY MATERIALS AND PRODUCTION PROCESSES MASTERCLASS

INTRODUCTION

As industries across the globe transition to a cleaner energy environment, batteries are assuming an even more critical role in helping to power a lower carbon future.

Resource professionals now require a deeper knowledge and understanding of battery materials, the battery materials production technology and value chain, implications of feed ingredients on materials quality and the characterisation tools and techniques required for effective cell and battery manufacture.

MASTERCLASS OVERVIEW

The lithium-ion battery materials and production processes one day masterclass is presented at a time of rapidly growing interest in these aspects as Australia approaches having a lithium supply chain exceeding \$10 billion per annum. The masterclass will explore lithium-ion battery materials, cell and battery production technology, value chains and supply chains, and have a specific emphasis on lithium extraction, beneficiation and refining processes. Data will be presented on individual process options, their interactions and key performance and quality parameters.

Participants will gain a deeper understanding of the impact of materials and processes on the mechanical, structural and electrochemical properties of cells and batteries, and recognise refining and production trends that are increasing efficiencies and reducing carbon dioxide emissions. They will also meet other stakeholders in the lithium-ion battery sector and hear of national-scale initiatives that are guiding university and industry research.

THE SPEAKERS

- **Dr Richard Macoun**,
Research Director, Future Battery Industries Cooperative Research Centre
- **Professor Aleks Nikoloski**,
Professor of Extractive Metallurgy, Murdoch University

WHO SHOULD ATTEND

This masterclass is designed for professional and technical operators, managers, investors, policy makers, scientists, early career researchers and research students.

THE DETAILS

9:30 am to 4:00 pm, Saturday 6 May 2023, Pan Pacific Hotel, Perth

Duration: 6.5 hours

Cost: \$600 (incl GST), includes full masterclass materials, morning tea, lunch and refreshments. (FBICRC Participants \$450, Students \$250)

Registration: Strictly limited

Register: [ALTA Website](#)