

# LITHIUM BATTERY AND ENERGY METALS CONFERENCE 2022



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**Title: Supporting the sustainable battery-grade materials supply chain: selected challenges and proposed ways to address them**

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Battery technology is rapidly becoming a primary enabler of the global energy economy with exponential growth from a low base. The expansion of battery applications as well as the diversity of available battery technologies pose significant challenges from the requirements standardisation and quality assurance points of view, among others. This talk will outline a few of the relevant pain points in the attempts to stabilise battery materials supply chain and the proposed ways to address them. Applications' diversity and its impact on materials and components selection as well as their qualification process will be discussed. The examples of continuous improvement principle applied to the development of battery-grade materials will be given. The industry supporting role of the National Battery Testing Centre and associated projects at the Queensland University of Technology will be discussed in the above context.