

REGIONAL TRAILBLAZER SHOWCASE & STAKEHOLDER FORUM

PROGRAM

PRESENTATIONS

8:30AM - 8:40AM	Welcome Professor Jenny Seddon - Deputy Vice Chancellor Research, James Cook University
8:40AM - 8:55AM	Ministerial Address Honourable Scott Stewart - Queensland Minister for Resources and Critical Minerals
8:55AM - 9:10AM	Critical Minerals Queensland Overview Ange Bannerman - Critical Minerals Queensland Engagement Lead
9:10AM - 9:25AM	Resources Technology and Critical Minerals Trailblazer Rohan McDougall - Director, Resources Technology and Critical Minerals Trailblazer, Curtin University
9:25AM - 9:35AM	Introduction to the Trailblazer Showcase & Forum Associate Professor Ioan Sanislav - Director, Economic Geology Research Centre and James Cook University Trailblazer
9:35AM - 10:30AM	Poster Session
10:00AM - 10:30AM	MORNING TEA
10:30AM - 10:45AM	An Industry Perspective on Trends in Skills for Mining and Metals Brendan Howard - General Manager Technical Capability Development & Technology, Rio Tinto
10:45AM - 11:00AM	Attracting and Retaining Queensland's Resources Sector Workforce Katrina-Lee Jones - Policy Director Skills, Education & Diversity, Queensland Resources Council
11:00AM - 11:10AM	Dynamic Modelling of Skills Demands Professor Nico Adams - Associate Dean, Industry and Innovation, JCU
11:10AM - 11:30AM	How can we Reconnect Science and Education with Increasingly Difficult Mineral Exploration? Dr Nick Oliver - Principal Consultant, HCOV Global
11:30AM - 11:45AM	Groundwater Issues - Hurdles to Mining Development Andrew Moser - Principal Hydrogeologist & Partner, Ground & Water Australia
11:45AM - 12:00PM	Water Regulations Bronwyn Dwyer - Queensland Department of Regional Development, Manufacturing and Water
12:00PM - 1:00PM	LUNCH
1:00PM - 1:15PM	Supporting the Delivery of a Sulphuric Acid Solution for Queensland Mark Noble - Project Manager, Qld Battery Strategy and Critical Mineral Industries, Qld Department of State Development and Infrastructure
1:15PM - 1:30PM	Sulphuric Acid from Mine Waste Dr Helen Degeling - Project Acquisition Manager, Cobalt Blue Holdings
1:30PM - 1:45PM	Potential for Producing High Value End-Products in North Qld Nicholas Whebell - Business Development Manager, Cleveland Bay Chemical Company
1:45PM - 2:00PM	Multicom Resources - Opportunities in Critical Metals Dr Jose Alarco - Scientific Development Manager, Multicom Resources

DISCUSSIONS

	Round Table Discussions
2:00PM - 3:15PM	Education, Skills, Training Exploration for Future Resources Water Resources for Mining Mineral Processing and Value-Added Products
2:45PM - 3:15PM	AFTERNOON TEA
3:15PM - 4:20PM	Round Table Reports & Panel Discussion
4:20PM - 4:30PM	Wrap-Up Associate Professor Ioan Sanislav, JCU
4:30PM - 5:30PM	SOCIAL EVENT



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POSTER DISPLAY

Understanding the Role of the Host Rock in the Chemistry of Chalcopyrite, Pyrite and Albite and their Vectoring Potential in the Mt Isa Region, NW Qld
Cellier G, Kumar A, Sanislav I, Mariño E, McCoy-West A

The Effect of Deformation on Pyrite and Chalcopyrite Chemistry - Vectoring Potential on Cu Exploration in Mount Isa Region
Mariño E, Cellier G, Kumar A, Sanislav I, Finch M

Geochemical Fingerprinting Capabilities
Augustine S, McCoy-West A

Tracing Sustainable REE Resources using Stable Neodymium Isotopes
Kaufmann A, McCoy-West A

The Critical Mineral Potential of the Kennedy Igneous Association : Petrogenesis, Tectonic Setting and Metallogeny
Lee J, Sanislav I, McCoy-West H

Cassiterite Geochemistry for Critical Metal Exploration
Kumar A, Sanislav I, Huang H, Dirks P

Zircon as an Exploration Tool for Gold-Rich Mineral Systems
Wiemer D, Hagemann S G, Fisher C, Kemp T, Ireland T, Martin L, Sanislav I, Villanes C

Genesis of the Ravenswood Gold Deposit
Serra H, Sanislav I, Wiemer D, Harper S, Davis B, Morrison G

Deep Seismic Lines in Northern Queensland: Revealing the Geological and Tectonic Structure for a better understanding of Mineral Systems and Critical Mineral Potential *Tampubolon D, Waszek L, Sanislav I, Finch M*

Thermochemistry and Dynamics of the Upper Mantle from Automated, Multidisciplinary Approaches
Waszek L, Anandawansa R, Costa de Lima T, Sexton J, Tauzin B

Fit-for-Purpose Water Quality Objectives for Mineralised Ecosystems - a Trailblazer Opportunity
Templeman S, McDonald S, Williams C

Ion Selective Sensors for Environmental Monitoring
Mirabootalebi S O, Liu Y

Application of Ironbark-derived Biochar for Gold Adsorption from Wastewater
Mele MA, Antunes E

Enhancing In-Situ Mineral Extraction with AI-Optimised Electrokinetic
Mahyapour R, Sadat-Noori M

Waste to Resources using Microwave Assisted Pyrolysis
Jacob M

Full – Service Digital Innovation Capability for Critical Minerals
Adams N, Phillipa B, Wang E, Huang K, Baker S, Du Y

Stress Analysis for Underground Mining Backfill
To P, Jayakodi S, Thanayamwatte P, Sivakugan N

Sustainable Polymer Research Lab
Vamvounis G

Sustainable Process for High Purity Alumina Production from Kaolin
Chan J, Gudgeon J, Wu X, Zhu J, Peng H

Recovering Vanadium Pentoxide from Spent Gas Treatment Catalyst
Gudgeon J, Mueller A, Loureiro V, Peng H, Vaughan J

Nickel Sulphate Solution Purification using Lanxess Bayoxide E IN 30
Mann D, Jain M, Sultan U, Vaughan J, Tang L

Novel and Convenient Synthesis of Copper Formamidinates
Eradiparampath A, Guo Z, Deacon G, Junk P

Copper(1) Reagents for Redox Transmetalation Protolysis (RTP) Reactions
Eradiparampath A, Joyce L, Guo Z, Deacon G, Junk P

Exploring the Reactivity of Lanthanoid Pseudo-Grignard Reagents
Halim M, Guo Z, Deacon G, Junk P

Selective Carbon-Phosphorous Bond Cleavage for accessing Superbulky Divalent Lanthanoid Sandwich Complexes
Shephard A, Daniels D, Guo Z, Deacon G, Junk P, Jaroschik F

RE(III) 3-furoate and 3-thiophene Carboxylate Complexes: Synthesis, Structure, and Corrosion Inhibiting Properties
Vithana V, Guo Z, Deacon G, Somers A, Junk P

