

RTCM TRAILBLAZER JCU RESEARCH SHOWCASE 2025

Tuesday 5 August, James Cook University

Science Place 142-111

1:30PM - 1:40PM	Prof Jenny Seddon - Deputy Vice Chancellor Research, JCU Introduction and Welcome
1:40PM - 1:50PM	Dr Vanessa Guthrie - Chair, RTCM Trailblazer The Critical Minerals Industry - trends, prospects for research and industry collaboration
1:50PM - 2:00PM	Mr Rohan MacDougall - Director, RTCM Trailblazer, Curtin University RTCM Trailblazer program overview
2:00PM - 2:10PM	A/Prof Ioan Sanislav - JCU Trailblazer Lead JCU RTCM Trailblazer overview
2:10PM - 2:20PM	Ben Johns - Project Manager, Critical Minerals Queensland, Department of Resources CMQ overview
2:20PM - 2:30PM	Stephen Budd - Senior Economic Development Officer, Queensland Department of State Development Queensland Resources Common User Facility, Townsville
2:30PM - 2:40PM	Break
2:40PM - 2:45PM	Dr Yang Du - JCU IoT Engineering Off-Grid EV charging solution with cyclone-resistant solar carport for remote mining operations
2:45PM - 2:50PM	Dr Rosilene Gabas - JCU Chemical Engineering Sustainable REE extraction from Australian ores using environmentally friendly reagents, advanced characterisation techniques and geological knowledge
2:50PM - 2:55PM	Dr Alex McCoy-West - JCU Geoscience Emerging technologies for advanced geochemical exploration undercover
2:55PM - 3:00PM	Ms Danastri Tampubolon - JCU Physical Science Optimizing the geophysical ore body model to aid in the discovery of new critical mineral deposits
3:00PM - 3:05PM	Dr Tejas Koushik - JCU Mechanical Engineering Development of stronger fibres to prevent mineral concentrate contamination
3:05PM - 3:10PM	Ms Haiyan Li - JCU Physical Science Fast, automated acquisition of mineral chemistry for mineral exploration
3:10PM - 3:15PM	Dr Helen McCoy-West - JCU Geoscience Optimising vanadium extraction and processing from the Toolebuc Formation through advanced characterization
3:15PM - 3:30PM	A/Prof Ioan Sanislav - JCU Geoscience High-throughput neutron tomography core scanner for critical minerals resources
3:30PM - 4:30PM	SOCIAL EVENT - Skybar, Building 502

RTCM TRAILBLAZER UNIVERSITY TRANSFORMATION SESSION 2025

Wednesday 6 August, James Cook University

Two Concurrent Sessions

Session 1

Engineering Innovation Place 506-117

9:55AM - 10:00AM

A/Prof Ioan Sanislav - JCU Trailblazer Lead
Introduction and Welcome

Academic Promotion Policy and Procedures

10:00AM - 10:20AM

Prof Damian Morgan - JCU Head of Academic Board
An impact-based promotion policy and procedures at JCU

Prof Linley Lord - Academic Lead University Transformation, Curtin University
Promotion policy at Curtin University

10:20AM - 10:40AM

Round Table Discussion & Questions

IP Policy

10:40AM - 11:00AM

Ms Tina Langford - Director JCU Research
New IP policy at JCU to promote industry collaboration and commercialization

Mr Rohan MacDougall - Director RTCM Trailblazer
IP policy at Curtin University

11:00AM - 11:20AM

Round Table Discussion & Questions

Cultural Change

11:20AM - 11:40AM

Professor Nico Adams - Associate Dean Industry & Innovation, JCU
Cultural change at JCU to promote industry collaboration and research commercialization

Professor Linley Lord - Academic Lead University Transformation, Curtin University
Cultural Change at Curtin University

11:40AM - 12:00PM

Round Table Discussion & Questions

Session 2

Engineering Innovation Place 506-001

Commercialization

10:00AM - 12:00PM

Discussion led by:
Dr Denise Hodge - CEO, JourneyTech
Mr Larry Lopez - Commercialization Pillar, RTCM Trailblazer Board
Mr Brett Beatty - Industry Engagement Member, RTCM Trailblazer Board

12:00PM - 1:00PM

LUNCH, Skybar