

## The Ian Morley Prize Presentation Day 2021

The 2021 Ian Morley Prize presentation day includes presentations and panel discussions covering the Centres' research activities and the latest challenges facing the minerals industry.

The event will conclude with the presentation of the 2021 Ian Morley Prize, followed by refreshments.

### Program overview:

TIME	DURATION	TOPIC	SPEAKER
9:30 - 9:50	20 mins	Introduction	Professor Rick Valenta
9:50 - 10:20	30 mins	Keynote from past Ian Morley Prize winner	Dr Maedah Tayebi-Khorami
<b>10:20 - 10:50</b>	<b>30 mins</b>	<b>Morning Tea and Poster Session</b>	
10:50 - 11:10	20 mins	<i>JKMRC PhD Student Showcase:</i> Developing novel, highly selective reagents for arsenic minerals	Lam Ian Ku
		Correlation of surface chemical heterogeneity at the micron scale with hydrophobicity and particle-bubble interaction forces	Anran Niu
		Exploring chemistry in fluidised bed flotation: Aerosol collector dosing	Candice Brill
11:10 - 11:30	20 mins	<i>JKMRC staff highlights:</i> Multi-level collaborations and their key role in mineral processing research	Associate Professor Liza Forbes
		Soft sensors for minerals processing	Dr Francisco Reyes
		GHG emission management tools for the mining industry	Dr Mehdi Azadi
11:30 - 11:50	20 mins	Panel: <i>Role of integrating the mine value chain in emissions reduction</i>	Chair: Associate Professor Marcin Ziemski  Dr Penny Stewart, <i>CEO, Petra Data Science</i>  Dr Grant Ballantyne, <i>Director, Technical Solutions, Ausenco</i>  Joe Pease, <i>Senior Minerals Consultant, Mineralis; Director CEEC</i>

TIME	DURATION	TOPIC	SPEAKER
11:50 - 12:10	20 mins	Open Q & A	All
12:10 – 13:10	60 mins	Lunch and Poster Session	
13:10 – 13:30	20 mins	<p><i>BRC PhD student Showcase:</i></p> <p>Geometallurgical characterisation of cobalt-bearing minerals in tailings at the Capricorn Copper Mine, Northwest Queensland</p> <p>Geometallurgy for the 21<sup>st</sup> Century: Exploring new pathways to ore characterisation</p>	<p>Loren Nicholls</p> <p>Torben Wuestemann</p>
13:30 – 13:50	20 mins	<p><i>BRC Staff highlights:</i></p> <p>The importance of Deep Mining to sustaining my metal production into the future</p> <p>Digital Twin of Queensland - Massive data across all scales</p> <p>ReTail: Opportunities for mine waste volume reduction across the life of mine</p>	<p>Professor Andre van As</p> <p>Associate Professor Steven Micklethwaite</p> <p>Associate Professor Anita Parbhakar-fox</p>
13:50 – 14:10	20 mins	<p>Panel: <i>Risks in Mining – how do we address them?</i></p>	<p>Chair: Associate Professor Anita Parbhakar-Fox</p> <p>Dr Helen Degeling, <i>Director Minerals Geoscience, Department of Resources, QLD Government</i></p> <p>Dr Evelyn Mervine, <i>Senior Project Geologist, AngloAmerican</i></p> <p>Edward Holloway, <i>Director, Quantified Strategies</i></p>
14:10 – 14:30	20 mins	Q&A	
<b>14:30 – 15:00</b>	<b>30 mins</b>	<b>Afternoon Tea and Poster Session</b>	
15:00 – 15:50	50 mins	Ian Morley Prize 2021 Prize Ceremony	Emeritus Professor Don McKee, and Ian Morley Prize 2021 recipient
15:50 – 16:00	10 mins	Closing remarks	Professor Rick Valenta
16:00 – 17:20	80 mins	Drinks, discussion	Sponsored by Petra Data Science