

Friday 5 May 2023

## In-Situ Recovery

Sponsored by  **CSA Global**  
Mining Industry Consultants

7.30am	Presenter Briefing	Goldsworthy
8.00am – 5.30pm	Registration Desk Open	Foyer 1
8.00am	Arrival Tea and Coffee	Grand River Foyer
8.30am – 10.25am	OPENING SESSION	Grand River Ballroom East
8.30am	<b>Welcome by the Conference Chair</b> <b>Ewan Sellers, CSIRO Minerals, Australia</b> <b>In-Situ Recovery Conference Sponsor Welcome</b> <b>Graham Jeffress, CSA Global, Australia</b>	
	<b>Chair: Graham Jeffress, CSA Global, Australia</b>	
8.45am	<b>Keynote: Considerations for Hard Rock In-Situ Mining in Australia</b> <b>Ewan Sellers, Future Mine and Digital Lead, Sustainable Mining Technologies, CSIRO Mineral Resources</b>	
9.25am	<b>In-Situ Recovery – Progress Over The Last Five Years</b> <b>Maxim Seredkin, CSA Global, Australia</b>	
9.50am	<b>Benefits of Collaboration to Advance ISR Technologies at The Kapunda Copper Project</b> <b>Philippa Faulkner &amp; Anya Hart, EnviroCopper &amp; OZ Minerals Think &amp; Act Differently, Australia</b>	
10.15am – 10.45am	MORNING TEA	Golden Ballroom
	<b>Chair: Philippa Falkner, EnviroCopper, Australia</b>	
10.45am	<b>In Situ Extraction of Precious Metals and Mine Remediation with Polysulfides</b> <b>Drummond “Dusty” Early, D3 Geochemistry LLC, USA</b>	
11.10am	<b>Phoenix Rising: The Application of ISR for High Grade Uranium Mining in The Athabasca Basin</b> <b>Kevin Himbeault &amp; Chad Sorba, Denison Mines, Canada</b>	
11.35am	<b>Predicting Production in ISR Uranium Mining</b> <b>Michael Gorzechowski, Heathgate Resources, Australia</b>	
12.00pm – 1.00pm	LUNCH	Golden Ballroom
	<b>Chair: Alan Taylor, ALTA Metallurgical Services, Australia</b>	
1.00pm	<b>New Predictive Modelling Approach to Uranium In Situ Recovery</b> <b>Jess Page, WGA, Australia</b>	
1.25pm	<b>Estimating Resource and Optimising Production In ISR and Brine Mining Using Nuclear Magnetic Resonance</b> <b>Nick Jervis-Bardy: Orica - Digital Solutions, Australia</b>	

1.50pm	<b>Review of Fracturing Techniques (Microwaves, High-Voltage Pulses and Cryogenic Fluids) for Application as Access Creation Method in Low-Permeability Hard Rocks for Potential In Situ Metal Recovery</b> <b>Sahar Kafashi, Murdoch University, Australia</b>
2.15pm – 2.45pm	<b>AFTERNOON TEA</b> <i>Golden Ballroom</i>
	<b>Chair: Ewan Sellers, CSIRO Mineral Resources, Australia</b>
2.45 pm	<b>Economic and Environmental Assessment of Underground In-Situ Leaching Processes Utilising Drill and Blast to Achieve High Permeability Related to In-Situ Recovery</b> <b>Peter Dare-Bryan: Orica Mining Services, Australia</b>
3.10 pm	<b>Renewed Experimental Hydraulic Fracturing Technique for Hard Rock In-Situ Recovery Enhancement</b> <b>Hongyi Sun, Curtin University Australia</b>
3.35 pm	<b>Ion Flux Flow Regimes of Electrokinetic Transport in Low Permeability Porous Media Related to In-Situ Recovery</b> <b>Kunning Tang, University of NSW, Australia</b>
4.00 pm	<b>Potential Applications of Biomining For In Situ Recovery</b> <b>Anna Kaksonen, CSIRO Environment, Australia</b>
4.25 pm	<b>Panel: Beyond Uranium ISR</b> <b>Chair: Ewan Sellers, CSIRO Mineral Resources, Australia</b>
	<b>Student Volunteer: Deepak Kumar, Curtin University, Australia</b>
4.55 pm	<b>In-Situ Recovery Conference Concludes</b>