



ZIA Annual Conference 2024

Perth, Western Australia, 23 - 24 May





Mine site visits

Join our unique and insightful site visits to leading mines, while networking with colleagues and industry peers.

Tuesday 21 May

Iluka Cataby



Tronox Cooljarloo



Wednesday 22 May

Doral Keysbrook



Tronox Bunbury



Both days (incl. overnight visit)

Kimberley Mineral Sands
Thunderbird



Site visit schedule (for registered conference delegates)

Tues 21 to Wed 22 May

Visit to Kimberley Mineral Sands' Thunderbird mine site

Tues 21 May: Afternoon flight to Broome and overnight accommodation.

Weds 22 May: Travel to Thunderbird mine site, safety briefings, tour, Q&A. Lunch and refreshments will be provided. Late afternoon return flight to Perth.

Alternative site visit program

Tues 21 May: Mine site visits to Iluka Cataby and Tronox Cooljarloo

Morning departure from Perth by bus, late afternoon arrival back at Perth. Safety briefings, site tour, Q&A. Lunch and refreshments will be provided.

Weds 22 May: Site visits to Doral Keysbrook and Tronox Bunbury

Morning departure from Perth by bus, evening arrival back at Perth. Safety briefings, site tour, Q&A. Lunch and refreshments will be provided.

Programme

Day 1: Thursday 23 May

- 08:00 – 13:00 Registration desk open
- 10:00 – 11:30 ZIA Board Meeting (ZIA Board members only): Swan River meeting room
- 12:00 Conference lunch (all conference delegates and spouses): Elizabeth Quay Ballroom
- 13:00 – 13:15 Welcome, opening remarks, antitrust compliance and safety briefing

Session 1 Session Chair – Matthew Blackwell

- 13:15 – 13:45 Keynote Address - *Tom O’Leary, MD and CEO, Iluka Resources*
- 13:45 – 14:15 Zircon Market Update - *Gavin Diener, TZMI*
- 14:15 – 14:45 The Zircon Market: An Analyst’s View - *Paul Young, Goldman Sachs*
- 14:45 – 15:15 Networking interval and refreshments

Session 2 Session Chair – Deb Harris

- 15:15 – 15:45 Zircon: From Outback to Outer Space - *Prof. Chris Kirkland and Associate Prof. Milo Barham, Curtin University*
- 15:45 – 16:15 Oxidized Zirconium: Why Hips Need Zircon - *Michael King, Smith+Nephew*
- 16:15 – 16:45 ZIA’s ESG initiative and Members’ ESG Excellence Awards
- 16:45 – 17:15 Closing remarks, end of Day 1
- 18:00 Cocktail Reception and transfer to Banquet Dinner

Day 2: Friday 24 May

- 08:00 – 10:00 Registration desk open
- 08:30 – 08:45 Welcome, antitrust compliance and safety briefing

Session 3 Session Chair – Stephen Hay

- 08:45 – 09:30 Keynote Address: Macroeconomic Update & Outlook for Asia
Sumana Rajarethnam, Regional Director, Economist Intelligence Unit
- 09:30 – 10:00 ICMM’s Nature Positive Initiative - *Rohitesh Dhawan, CEO, ICMM*
- 10:00 – 10:30 Maintaining Awareness of Mining NORM deposits: What’s Around the Corner?
Dr. Martin Ralph, Former Regional Inspector of Mines with the Western Australian Mines Safety Inspectorate
- 10:30 – 11:00 Networking interval and refreshments

Session 4 Session Chair – Angelika Priese

- 11:00 – 11:30 High Temperature Refractory Market in Asia - *RongQi Chen, MD, Moat City Ltd*
- 11:30 – 12:00 Novel Applications of Technical Ceramics
Dr. Moritz von Witzleben, General Manager, INMATEC Technologies GmbH
- 12:00 – 12:30 ZIA’s Technical Committee: 10 Years of Supporting Members
Jorge Masbate, Iluka Resources and Chairman of the ZIA Technical Committee
- 12:30 – 13:00 Closing remarks and end of conference
- 13:00 Lunch (all delegates and spouses)

Zircon's coming home

Keynote Speakers



TOM O'LEARY

MD and CEO Iluka Resources

Tom O'Leary was appointed Chief Executive Officer of Iluka Resources Limited in September 2016 and has more than 30 years' experience in executive management, business development and investment banking in the energy and banking sectors. He was previously Managing Director of Wesfarmers Chemicals, Energy and Fertilisers, a division of Wesfarmers Limited. Tom holds a law degree from The University of Western Australia and has completed the Advanced Management Program at Harvard Business School. Since 2006, Tom has been a non-executive Director of the Clontarf Foundation, a not-for-profit organisation that helps young Aboriginal men improve their education, discipline and employment prospects.



SUMANA RAJARETHNAM

Regional Director, Economist Intelligence Unit

Sumana Rajarethnam is Director of the Economist Intelligence Corporate Network, South-East Asia. He is a senior policy professional with 17 years' experience. Having worked at several dynamic and vibrant technology firms, Sumana designs and implements policies through advocacy, strategic communication and evidence-based analysis. Sumana holds a Masters in Public Policy from the University of Michigan, as well as a B.A. in Political Science and Geography from UCLA.

Speakers



GAVIN DIENER

CEO, TZ Minerals International (TZMI)

Gavin Diener has technical, management and business skills gained through experience in plant operation, pilot plant test work, plant design and commissioning, process optimisation, business and market analysis, operations management and product development. Prior to TZMI, Gavin spent 16 years at Anglo American Group in mineral sands, gold and iron operations. He previously worked at the Namakwa Sands project where he was involved in smelting and minerals processing. He graduated from the University of Natal with a Bachelor's degree in Chemical Engineering.



PAUL YOUNG

Mining Analyst & Managing Director, Goldman Sachs Australia

Paul Young joined Goldman Sachs in 2018 as a mining analyst and Managing Director. Prior to this, he was Head of Metals and Mining Research at Deutsche Bank. He holds a Master of Commerce, Banking, Corporate, Finance and Securities Law from Deakin University and a Bachelor of Minerals Processing Engineering from the University of Queensland.



PROF. CHRIS KIRKLAND

Curtin University

Prof. Chris Kirkland is leader of the Timescales of Mineral Systems Group at Curtin University. He completed his undergraduate degree in Geoscience at the University of St Andrews in Scotland and gained a PhD in isotope geology at University College Dublin. After completing a Postdoctoral position at the Swedish Museum of Natural History, Chris moved to Curtin University in 2015 to lead the Timescales of Mineral Systems Group applying geochronology to reduce exploration risk and address geological questions related to the timing and rate of geological processes through deep time. Chris has used zircon to date ores, fossils, and the oldest rocks on this planet and beyond.



ASSOCIATE PROF. MILO BARHAM

Curtin University

Associate Prof. Milo Barham is a geoscientist in the School of Earth and Planetary Sciences at Curtin University within the Timescales of Mineral Systems Group. He came to Western Australia in 2012 having taught and completed his undergraduate and PhD at the National University of Ireland, Galway. He is currently lead of the Bachelor of Advanced Science and coordinator of the Earth Science Major at Curtin University. His work focuses on reconstructing Earth evolution, particularly using analysis of resilient detrital minerals (such as zircon) in ancient sediments.



MICHAEL KING

Smith+Nephew

Michael joined Smith+Nephew as Marketing Manager for hips, a global medical technology company. Prior to joining Smith+Nephew Michael worked as an independent consultant and was a Senior Executive working in Grant Development at the Florey Institute of Neuroscience and Mental Health. Michael has an MBA in Business Administration from Melbourne Business School.



ROHITESH DHAWAN

CEO, ICMM

Rohitesh “Ro” Dhawan is the President and CEO of the International Council on Mining and Metals (ICMM). He leads the Council of 24 CEOs of the world’s largest mining and metals companies in voluntary leadership actions that raise the standards of responsible mining. Under his leadership, ICMM has undertaken landmark commitments and action on critical sustainable development issues, including the first industry-wide commitment to achieving net zero greenhouse gas emissions, the first collective commitment on nature positive, pioneering actions on diversity, equity and inclusion, and significant steps towards transparency of the industry’s contribution and performance, including on tax and contract disclosure. Ro is a Senior Associate (non-resident) in the Energy Security and Climate Change Program at the Center for Strategic & International Studies. He has served on the UK Government’s Partnering for Accelerated Climate Transitions (PACT) Programme and was named one of South Africa’s climate change leaders for his work with the country’s mining sector. Ro holds a Master’s in Environmental Change and Management from the University of Oxford in the UK and an undergraduate degree in Economics from Rhodes University in South Africa.



DR. MORITZ VON WITZLEBEN

General Manager, INMATEC Technologies GmbH

Dr. Moritz v. Witzleben is Founder and Head of INMATEC Technologies GmbH. INMATEC Technologies GmbH is one of the leading companies worldwide for the production of thermoplastic ceramic feedstock for forming process as ceramic injection moulding and ceramic extrusion. After obtaining the PhD in Bonn, Germany he founded the company INMATEC Technologies GmbH. His development fields are focused on developing new organic binder systems for ceramic feedstocks and ceramic feedstocks for multifunctional ceramics, translucent and functional properties. Since 2012, Moritz has represented the German Ceramic Society (DKG) in the European Ceramic Society and was President of the European Ceramic Society from 2017 to 2019. He is currently past President of ECerS and President of JECs Trust.



JORGE MASBATE

Product Manager, Zircon, Iluka Resources & Chairman of the ZIA Technical Committee

Jorge Masbate joined Iluka in 2008 as an Energy and Carbon Manager before becoming Product Manager for Zircon globally in 2011. Prior to that, Jorge worked for Shell Global Solutions in a number of roles including as an Energy and Carbon Management consultant. Jorge holds an MBA from the Alliance Manchester Business School. Jorge is currently Chairman of the ZIA Technical Committee.



RONGQI CHEN

MD Moat City Ltd

Rongqi is Managing Director at one of China's largest manufacturers of kiln furniture and related products.



DR. MARTIN RALPH

Edith Cowan University PhD graduate and former Regional Inspector of Mines with the Western Australian Mines Safety Inspectorate

Dr. Martin Ralph was the Regional Inspector of Mines for the West and State-wide Health teams within the WorkSafe Mines Safety Inspectorate, overseeing emerging issues that had the potential to impact mine worker health. Martin was also CEO of a large not-for-profit workplace health and safety organisation, where he served on the board and acted as president of the International Network of Safety and Health Practitioner Organisations.



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