

CONFERENCE PROGRAMME



2012  
**AusIMM**  
New Zealand  
Branch  
Conference

26 - 29 August 2012  
Distinction Hotel, Rotorua, NZ



Session 11A – Legal 2 and Environment 3		Session 11B – Government Exploration Initiatives		
	Rimu/ Tawa Room	Session 11A: Chairperson: Chris Rendall	Miro Room	Session 11B: Chairperson: Rob Robson
1.10pm – 1.20pm	10 minute later start for this session to align with 11B		<b>Rob Robson</b> Ministry of Business, Innovation and Employment	Background and introduction to Government exploration initiatives in 2011-2012.
1.20pm – 1.40pm	<b>David Allen</b> Buddle Findlay	At the coal face – environmental law reform and policy development.	<b>Vaughan Stagpoole</b> GNS Science	New perspectives on the geology of Northland from an interpretation of airborne geophysical survey data.
1.40pm – 2.00pm	<b>Jo Appleyard</b> Chapman Tripp	Coal mining, climate change and the RMA .	<b>Bob Brathwaite</b> GNS Science	Potential for chromite-PGE deposits in the Dun Mountain Ophiolite Belt, East Nelson.
2.00pm – 2.20pm	<b>Doreen McLeod</b> Newmont Waihi Gold	Striking a balance.	<b>Tony Christie</b> GNS Science	Mineral potential of the Riwaka Complex, Northwest Nelson, and Tapuaenuku and Blue Mountain Igneous Complexes, Kaikoura.
2.20pm – 2.40pm	<b>Ghassan Basheer</b> Waikato Regional Council	Rehabilitation of mine tailings at the former Tui Mine.	<b>Doug MacKenzie</b> University of Otago	Platinum prospectivity in the Longwood Range - Southland, New Zealand.

PLENARY 12 – Closing Session	
Rimu/Tawa Room	Plenary 12: Chairperson: Tony Christie
2:45pm – 3:05pm	<b>Chris Bromley</b> – GNS Science
3:05pm – 3:15pm	<b>Tony Christie</b> – Chairman of Conference Organising Committee
3:15pm-5:00pm	Farewell Function (all registered conference delegates and accompanying persons are most welcome to attend)

Farewell dinner at Skyline Restaurant (Bookings required)	
6.00pm	Bus leaves Distinction Hotel for Skyline Gondola
6.15pm	Gondola ride to Skyline Restaurant
6.30pm	Buffet dinner
10.00pm	Bus leaves to return to Distinction Hotel



WEDNESDAY 29th AUGUST

Session 9A – Finance		Session 9B – Environment 2		
	Rimu/ Tawa Room	Session 9A: Chairperson: Tony Haworth	Miro Room	Session 9B: Chairperson: Ellen Hiscock
9.00 am – 3.00 pm Accompanying Persons tour (bookings required) Assemble in Fenton Foyer				
9.00am - 9.20am	<b>Karl Nicholson</b> ANZ	The financing life cycle.	<b>Johann Poinapen</b> MWH	Emerging approaches in mine water treatment to address current mine water management challenges.
9.20 am – 9.40 am	<b>Paul Richardson</b> BT Asset Management	Global growth worries: the outlook for commodities under increasing market uncertainty.	<b>Paul Weber</b> Solid Energy	Management of mine-impacted waters on the Ngakawau River.
9.40 am – 10.00 am	<b>Brigid McArthur</b> Greenwood Roche Chisnall	Overseas investment in New Zealand: has the bar been raised?	<b>Tim Mulliner</b> URS	“Life of Mine”. Probabilistic modeling of acidity loads and treatment infrastructure requirements at Stockton.
10.00 am – 10.20 am	<b>John Kidd</b> Edison Investment Research	Equity capital market access: issues and lessons for the New Zealand resources sector.	<b>James Conway</b> University of Auckland (Student)	Origin of sulphide formation and its potential effect on groundwater chemistry at the Martha Au-Ag Mine, Waihi, New Zealand.
10.20 am – 10.50 am	<b>Morning tea</b>			

Session 10A – Legal		Session 10B – Epithermal Gold: Geology and Exploration 2		
	Rimu/ Tawa Room	Session 10A: Chairperson: Vivienne Bull	Miro Room	Session 10B: Chairperson: Richard Barker
10.50 am – 11.10 am	<b>Dave Trueman and Michelle van Kampen</b> Simpson Grierson	Exclusive Economic Zone and Continental Shelf (Environmental Effects) Bill - an update.	<b>Jeff Mauk</b> US Geological Survey	Hydrothermal alteration produces host rock expansion that promotes self-sealing, vein/veinlet mineralization, repeated fracturing events and cyclical ore deposition.
11.10am - 11.30am	<b>Rachel Devine</b> Minter Ellison	Implications of new environmental legislation for New Zealand’s offshore mining industry.	<b>Tobias Francis</b> University of Auckland (Student)	Soil gas sampling, Hauraki Goldfield, New Zealand.
11.30am - 11.50am	<b>David Coull</b> Bell Gully	Legal and regulatory reform in New Zealand: the continuing saga.	<b>Mariana Zuquim</b> University of Auckland (Student)	Structural controls on the Rahu prospect Hauraki Goldfield.
11.50am - 12.10pm	<b>James Gardner-Hopkins</b> Russell McVeagh	Drilling to the core: the potential review of sections 6 & 7 of the RMA.		
12.10pm - 1.10pm	<b>Lunch</b>			

PLATINUM Sponsors



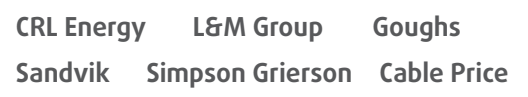
GOLD Sponsors



SILVER Sponsors



BRONZE Sponsors



SUNDAY 26TH AUGUST		
9.00am - 1.30pm	Field trip FT2: White Island	
12noon - 5.30pm	Field trip FT3: Tui mine rehabilitation	
1.00pm - 4.30pm	Short course SC 1: Geoscience data for mineral exploration	Cards Lounge
3.30pm - 6.00pm	Hall available for exhibitors to set up booths	Fenton Foyer and Kauri Room
4.00pm - 6.00pm	Registration desk open	Fenton Foyer
6.00pm - 6.30pm	Powhiri	Rimu/Tawa Room
6.30pm - 8.30pm	Welcome Function with finger food followed by light buffet meal (all registered conference delegates and accompanying persons are welcome to attend)	Fenton Foyer and Kauri Room

MONDAY 27th AUGUST		
8.00am - 9.00am	Registration desk open	Fenton Foyer
10.30am - 4.00pm	Accompanying Persons tour (bookings required)	Assemble in Fenton Foyer

#### PLENARY 1 – Opening, Tas McKee Address, Annual Overview of NZ Mining Industry

Rimu/Tawa Room	Plenary 1: Chairperson: Tony Christie	
9.00am - 9.05am	Tony Christie – Chairman, 2012 Conference Organising Committee	Welcome and introduction
9.05am - 9.10am	Tony King – Chairman, AusIMM NZ Branch	Conference opening
9.10am - 9.30am	Alice Clark – President, AusIMM	Tas McKee address
9.30am - 9.50am	Don Elder – CEO, Solid Energy	Natural Resources & Sustainable Development
9.50am - 10.10am	Tony Haworth - Campbell MacPherson Ltd	Annual overview of the New Zealand mining industry
10.10am - 10.50am	<b>Morning Tea</b>	

#### PLENARY 2 – Keynote Addresses

Rimu/Tawa Room	Plenary 2: Chairperson: Roger Gregg	
10.50am - 11.10am	Hamish Bohannon – MD & CEO, Bathurst Resources	
11.10am - 11.30am	Mick Wilkes – MD & CEO, OceanaGold Corporation.	More Golden Ferns – Potentially!
11.30am - 11.50am	Glen Grindlay – General Manager Operations, Newmont Waihi Gold	What next, a plague of locusts?
11.50am - 12.10pm	Miles Kennedy – Chairman, MOD Resources Ltd.	Of Stoneleigh and other drilling fluids – early days at Macraes
12.10pm - 1.10pm	<b>Lunch</b>	

#### PLENARY 3 – Perspectives; Mining and the Environmental Challenge

Rimu/Tawa Room	Plenary 3: Chairperson: Kerry Prendergast	
1.10pm - 1.15pm	Kerry Prendergast – Chair, EPA	
1.15pm - 1.25pm	Al Morrison - Director-General, Department of Conservation	
1.25pm - 1.35pm	Gary Taylor - Environmental Defence Society	
1.35pm - 1.45pm	Kevin Hackwell - Forest & Bird	
1.45pm - 1.55pm	Bronwen Golder - The Pew Foundation	
1.55pm - 2.05pm	Chris Baker – Straterra	
2.05pm - 2.25pm	Panel discussion with questions from the floor	
2.25pm - 2.30pm	Kerry Prendergast – Summing up	
2.30pm - 3.00pm	<b>Afternoon tea</b>	

#### Session 4A – Mining

	Rimu/Tawa Room	Session 4A: Chairperson: John Taylor	Miro Room	Session 4B: Chairperson: Dave Crow
3.00pm - 3.20pm	Alec van Rossen AECOM	Energy infrastructure required for mine sites to be competitive in future.	Rebekah McLelland OceanaGold	Geology, structure and paragenesis of the Happy Valley Shear Gold Mineralisation, Reefton Goldfields, West Coast, New Zealand.
3.20pm - 3.40pm	Paul Griffin New Talisman Gold Mines	Novel technology options for small mines.	Lauren Farmer University of Otago (Student)	The geochemistry and isotopic signature of scheelite from an orogenic gold deposit.
3.40pm - 4.00pm	Basil Beamish B3 Mining Services Pty Ltd	A new era in spontaneous combustion assessment.	Simon Henderson Glass Earth Gold	The gold mineralised Garibaldi vein system: an application of geophysics, geologic mapping and pan concentrate soil sampling to hard rock gold exploration in Central Otago.
4.00pm - 4.20pm	Murali Nagarajan Orica	Managing risk and continuing mining activity using Orica's advanced blasting technology modelling.	Tom Grace RDCL	Exploration programme foundations: build your house on rock.
4.30pm - 5.30pm	AusIMM AGM , Rimu/Tawa Room			
5.30pm - 6.00pm	AusIMM NZ Branch Committee meeting, Rimu/Tawa Room			
6.00pm - 8.30pm	Student function with finger food followed by light buffet meal (all registered conference delegates and accompanying persons are most welcome to attend)			

#### TUESDAY 28th AUGUST

9.00am - 4.00pm	Accompanying Persons tour (bookings required)	Assemble in Fenton Foyer
-----------------	---	--------------------------

#### PLENARY 5 - Minister's Address & NZ Industry Update

Rimu/Tawa Room	Plenary 5: Chairperson: Tony King	
9.00am - 9.20am	Hon. Phil Heatley – Minister of Energy and Resources	
9.20am - 9.40am	Adam Grant – ANZ Australia. The Commodities Jigsaw - Piecing it together	
9.40am - 10.00am	Geoff Loudon – Chairman, L&M Group. Progress at the L&M Group, New Zealand's most diversified explorer and developer	
10.00am - 10.20am	David Binnie – GM, New Zealand Petroleum & Minerals	
10.20am - 10.50am	<b>Morning tea</b>	

#### Session 6A – Mine Safety & Mining Regulations

	Rimu/Tawa Room	Session 6A: Chairperson: Dave Stewart	Miro Room	Session 6B: Chairperson: James Pope
10.50am - 11.10am	Tony King Option One	Industry recommended regulations changes arising out of the Pike Tragedy.	Joanna Druzicka University of Otago (Student)	Arsenic distribution at historic scheelite mining and processing sites near Glenorchy, New Zealand.
11.10 am - 11.30am	Trevor Watts NZ Mines Rescue Service	Recommended changes to Mines Rescue arising out of the Pike Tragedy.	Dave Trumm CRL	Antimony treatment using passive treatment bioreactor and adsorption chamber in field trials.
11.30 am - 11.50am	Fritz Drissner EPMU	Worker representation in managing health and safety.	Charlene Wildman Kenex	Using predictive modelling to aid planning in the mineral exploration and mining sector - a case study using the powelliphanta land snail.

#### Session 4B – Orogenic Gold: Geology and exploration

Session 6A – Mine Safety & Mining Regulations. Continued			Session 6B – Environment 1. Continued	
	Rimu/Tawa Room	Session 6A: Chairperson: Dave Stewart	Miro Room	Session 6B: Chairperson: James Pope
11.50am - 12.10pm	Peter Atkinson Minex	Mining safety - raising the bar	Prue Harwood Beca	Ambient monitoring for L&M Mining Ltd at Earnscleugh Central Otago
12.10pm - 1.10pm	<b>Lunch</b>			

#### Session 7A – Policy and Resource Definition

Session 7A – Policy and Resource Definition			Session 7B – Epithermal Gold: Geology and Exploration 1	
	Rimu/Tawa Room	Session 7A: Chairperson: Graeme Fulton	Miro Room	Session 7B: Chairperson: Jeff Mauk
1.10pm - 1.30pm	Geoff Mayes Department of Labour	High Hazard Unit and the development of new mining standards.	Erin Skinner University of Auckland (Student)	Assessing the lifespan of hydrothermal systems.
1.30pm - 1.50pm	Chris Baker Straterra	Mining rocks - attractive policy opportunities at a time of active public interest in NZ minerals.	Jacqueline Hobbins Newmont Waihi Gold	The Correnso Epithermal gold-silver deposit, a new blind discovery in Waihi, Hauraki Goldfield, New Zealand.
1.50pm - 2.10pm	Ivan Liddell Liddell Consultancy	Removing environmental impediments and allowing the mining Industry to expand.	Alicia Newton University of Auckland (Student)	Ore mineralogy and geochemistry of the Simberi epithermal deposit, Papua New Guinea.
2.10pm - 2.30pm	Doug Gordon NZ Minerals Industry Association	Unlocking our minerals potentials.	Christina Walter University of Auckland	Electromagnetic study of mineralized and active fracture zones in the southern Hauraki Goldfield, New Zealand.
2.30pm - 3.00pm	<b>Afternoon tea</b>			

#### Session 8A – Mining and Rehabilitation

Session 8A – Mining and Rehabilitation			Session 8B – Exploration	
	Rimu/Tawa Room	Session 8A: Chairperson: Les McCracken	Miro Room	Session 8B: Chairperson: Kerrin Allwood
3.00pm - 3.20pm	Ainsley Ferrier Bathurst Resources	Cascade Coal Mine: a case study	Paul Angus Sams Creek Gold Ltd	Recent developments in exploration of the Sams Creek gold deposit, northwest Nelson
3.20pm - 3.40pm	Craig Pilcher Bathurst Resources	Life after Takitimu – where to from here.	James Stewart University of Otago (Student)	Contrasting alluvial gold morphologies from Nevis and Garibaldi paleoplacer deposits, Central Otago.
3.40pm - 4.00pm	Eduardo Rojas Golder Associates	GoldData® - Data management best practices from field to model.	Nick Mortimer GNS Science	3D shape and internal structure of the platiniferous Hekeia Gabbro, Longwood Range, Southland.
4.00pm - 4.20pm	Hamish McLauchlan Bathurst Resources	“Realising the potential”, geologic resource assessment of the Denniston Plateau, New Zealand	Dave Crow University of Otago	Placer platinum and transport in southern South Island, New Zealand.
4.20pm - 4.40pm	Ray Wood GNS Science	Marine phosphate on the Chatham Rise, New Zealand: geology, ecology, and a mining plan.	Bob Brathwaite GNS Science	Origin of the Maungaparerau halloysite deposit, Northland.

#### Conference Dinner (Bookings required)

7.00pm - 7.30pm	Pre dinner drinks	Fenton Foyer and Kauri Room
7.30pm - late	3 course meal, awards and after dinner speaker	Fenton Ballroom