DAY 3: Tuesday 6th September

9.30am – 9.50am Registration desk open, venue: Oceania

Concurrent session 6A: Health, Safety & Environment  
Chair: Graeme Blair, OceanaGold South Island

9.30am – 9.50am
Mark Payz, Wardenite NZ - A ‘State of the habitat’ H&S address providing an overview of our scientists and lessons learned from the industry

9.30am – 9.40am
Philippsa Gaskie, WorkSafe NZ – Humorous outlook and health risk assessment

9.40am – 10.00am
Hannah McLachlan, Bathurst Resources - A systematic approach to mining and mineralisation assessment: perspectives gained from three open-pit cost estimates

10.00am – 10.30am
Philippsa Gaskie, Massey University: Managing fatigue and shift work: new approaches

10.30am – 10.50am Morning tea

Concurrent session 6B: Geological Investigations and Exploration  
Chair: Peter Hancock, Chair: Peter Keall, NZ Branch Chair - Invitation to 2017 conference

10.30am – 11.30am
Katherine Maltich, Olga University - The environmental legacy of historic gold processing, Reefton Goldfield

11.00am – 11.30am
Dave Trumm, CRU Energy Ltd - Situational Mine ASCE - Integrated spatial and temporal analysis of volcanic and caldera-scale remediation

11.30am – 11.50am
Paul Wilson, O’Kane Consultants (NZ) Ltd - Optimisation water assessment processes for the environmental management of mining projects

11.50am – 12.20pm
Joe Cavanagh, Landcare Research - Developing the Mine Environment Life Cycle Guides for mesothermal gold mines

12.20pm – 1.20pm Lunch break

Pick and Mix Sponsor Session (50 minute extended lunch break) - Oceania

Pick and Mix Session - Join us in the exhibition area for an extended lunch break with a Pick and Mix session. This session is designed for you to engage on exciting new projects, services, products, industry updates and much more. See programme insert for full details of presenters and session programme times. (Lunch will be available during this time so you can mingle through the exhibits and session presenters).

Plenary 7: Focus on the NZ minerals industry - includes the future of coal mining in NZ  
Chair: Simon Nathan, GNS Science - Mr Explorer Douglas and the giant geological map of South Westland

9.20am – 9.30am
Robin Falconer, Falconer Associates - Chatham Rise phosphate: will 50 years of effort succeed?

9.30am – 9.40am
Karl Searle, Sandfire Resources - Developing the Volcanic Zone and Reefton Goldfield of gold prospects in the Hauraki Goldfield, Taupo Volcanic Zone and Exploration 1

9.40am – 9.50am
Kirstine Malloch, CRL Energy - Bellvue Mine AMD legacy of historic gold processing, Reefton Goldfield

10.00am – 10.20am
Katie Peters, Aker - A Review of Mineral Prospectivity in New Zealand during the Past 10 Years

10.20am – 10.40am
Richard Keiley, GNS Science - Extending the database and assessment of geophysical exploration for epithermal deposit

10.40am – 11.00am
Tony Christie, GNS Science - Provenance of titanomagnetite compositions - insights from Prohibition Mill, Whangaroa

11.00am – 11.30am
Geoffrey Lamarche, RAPA - Scoping requirements for a bio-recovery New Zealand offshore mining sector

11.30am – 12.00pm
Adrian Martin, GNS Science - The new 1:100,000 Geoheritage map sheet: mapping in areas with significant potential geologically sensitive heritage

12.00pm – 12.30pm
Claire McLaughlin, University of Otago - Extension to the characterisation of the Pohakiriwaka gold mine site, Waikaia, Waitaki

12.30pm – 1.00pm
Simon Nathan, GNS Science - Processing the gold-silicification ore from the Stony River battery, Waitupu

1.00pm – 1.30pm
Simon Nathan, GNS Science - Mr Explorer Douglas and the giant geological map of South Westland

1.30pm – 1.40pm
Jacob Fox, GNS Science - Processing the gold-bearing ore from the Snowy River battery, Waiuta

1.40pm – 2.00pm
Karin Wernicke, Otago Polytechnic - Processing the gold-bearing ore from the Goldfield, Taupo Volcanic Zone and Exploration 1

1.40pm – 2.00pm
Murray Smales, Otago Polytechnic - Processing the gold-bearing ore from the Goldfield, Taupo Volcanic Zone and Exploration 1

2.00pm – 2.20pm
Katie Peters, Aker - A Review of Mineral Prospectivity in New Zealand during the Past 10 Years - Join us in the exhibition area for an extended lunch break with a Pick and Mix session. This session is designed for you to engage on exciting new projects, services, products, industry updates and much more. See programme insert for full details of presenters and session programme times. (Lunch will be available during this time so you can mingle through the exhibits and session presenters).

Plenary 8: Industry Update  
Chair: Tony Christie, OceanaGold - OceanaGold

3.30pm – 3.40pm
Benoit O’Cearrai, General Manager Operations - OceanaGold

3.40pm – 4.00pm
Richard Teave, O’Kane Consultants - Bellvue Resources - Bathurst Resources - OceanaGold

4.00pm – 4.20pm
Tony King, CRL Energy (AuckGEO) - Solid Energy

4.20pm – 4.40pm
Karl Searle, Sandfire Resources - Sandfire Resources

4.40pm – 5.00pm
Murray Smales, Otago Polytechnic - Processing the gold-bearing ore from the Goldfield, Taupo Volcanic Zone and Exploration 1

Conference and Feedback  
3:00pm - 5:30pm
Tony Christie, Conference Chair - Conference close

3:00pm - 5:30pm
Tony Christie, Conference Chair - Feedback session

3:00pm - 5:30pm
Rene Stens, NZ Branch Chair - Invitation to 2017 conference

3:00pm - 5:30pm
Rene Stens, NZ Branch Chair - Feedback session

3:00pm - 5:30pm
Rene Stens, NZ Branch Chair - Invitation to 2017 conference
DAY 1: Sunday 4th September

Welcome and Plenary 1: Information to Underpin Mineral Exploration, venue: Oceania
- 3.00pm – 4.30pm Conference welcome and opening
- 4.00pm – 4.10pm Alastair King, GNS Science - Enabling mineral exploration in New Zealand with the next generation of geological geophysical domains in the southwestern side of the Otago University - Structural and Mineral Deposits in the Hauraki Goldfield
- 4.10pm – 4.20pm Gemma Kerr, University of Waikato - New isotopic constraints on carbonate at Waihi from laser spectroscopy
- 4.20pm – 4.30pm James Pope, BECA - Evolution to dry stack tailings for Sue Aitken, Ltd - Acid sulphate soils in New Zealand - removal from coal mine drainage using limestone
- 4.30pm – 4.40pm Fraser Shand, Straterra - How to avoid locking up NZ’s sensitive areas – RMA “planning wars” continued

Concurrent Sessions:

Concurrent Session 3A: Heritage
- 10.10am – 10.20am Robyn Simcock, Landcare Research - Rehabilitation strategies that deliver a positive mining legacy - case studies
- 10.20am – 10.30am Simon Nissen, Landcare Research - Rehabilitation strategies that deliver a positive mining legacy - case studies

Concurrent Session 3B: Mine Operations
- 10.10am – 10.20am AJ Millward, Inside Resources - Commercial activity update for the mining and industrial minerals sectors in New Zealand, Australia, the Pacific, and the rest of the world
- 10.20am – 10.30am Mark Kavara, University of Western Australia - Is grade meaningful? An analysis of gold production costs at Australian and New Zealand mines
- 10.30am – 10.40am Bernadette Field, Environmental Protection Authority - Seabed mining – the early twentieth century: an illustrated case history
- 10.40am – 10.50am John Taylor, University of Canterbury - Geochemical footprints and structural localisation of ore-grade Au-Ag epithermal deposits, Eastern Hauraki Goldfield
- 10.50am – 10.55am Paul Fielitz, SJS Resource Management - Value from legacy data
- 10.55am – 11.00am Kerry Gordon, University of Canterbury - Geochemical modelling of metal bioavailability toxicity in streams draining the Tui mine site, Te Aroha, NZ

Concurrent Session 4: Mine Geology, Resource Modelling & Reconciliation
- 10.10am – 10.20am Ruth A. Murray, Sir Samuel Walker Laboratory - Geological controls on rhyolite-hosted Wharekirauponga and Onemana and geometry of epithermal Au-Ag mineralization within the Hauraki Goldfield
- 10.20am – 10.30am Marieke Donaldson, University of Canterbury - Geochemical modelling of metal bioavailability toxicity in streams draining the Tui mine site, Te Aroha, NZ
- 10.30am – 10.40am Marina Scholfield, Auckland University - Structural controls on rhyolite-hosted Wharekirauponga and Onemana and geometry of epithermal Au-Ag mineralization within the Hauraki Goldfield
- 10.40am – 10.50am Malee Khanjar, University of Auckland - Geochemical footprints and structural localisation of ore-grade Au-Ag epithermal deposits, Eastern Hauraki Goldfield
- 10.50am – 10.55am Paul Fielitz, SJS Resource Management - Value from legacy data
- 10.55am – 11.00am Kerry Gordon, University of Canterbury - Geochemical modelling of metal bioavailability toxicity in streams draining the Tui mine site, Te Aroha, NZ

Concurrent Session 5: Commercial Activity
- 10.10am – 10.20am James Pope, BECA - Evolution to dry stack tailings for Sue Aitken, Ltd - Acid sulphate soils in New Zealand - removal from coal mine drainage using limestone
- 10.20am – 10.30am Bernadette Field, Environmental Protection Authority - Seabed mining – the early twentieth century: an illustrated case history
- 10.30am – 10.40am Paul Fielitz, SJS Resource Management - Value from legacy data
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- 10.50am – 10.55am Paul Fielitz, SJS Resource Management - Value from legacy data
- 10.55am – 11.00am Kerry Gordon, University of Canterbury - Geochemical modelling of metal bioavailability toxicity in streams draining the Tui mine site, Te Aroha, NZ

Concurrent Session 6: Commercial Activity
- 10.10am – 10.20am James Pope, BECA - Evolution to dry stack tailings for Sue Aitken, Ltd - Acid sulphate soils in New Zealand - removal from coal mine drainage using limestone
- 10.20am – 10.30am Bernadette Field, Environmental Protection Authority - Seabed mining – the early twentieth century: an illustrated case history
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- 10.50am – 10.55am Paul Fielitz, SJS Resource Management - Value from legacy data
- 10.55am – 11.00am Kerry Gordon, University of Canterbury - Geochemical modelling of metal bioavailability toxicity in streams draining the Tui mine site, Te Aroha, NZ

Concurrent Session 7: Commercial Activity
- 10.10am – 10.20am James Pope, BECA - Evolution to dry stack tailings for Sue Aitken, Ltd - Acid sulphate soils in New Zealand - removal from coal mine drainage using limestone
- 10.20am – 10.30am Bernadette Field, Environmental Protection Authority - Seabed mining – the early twentieth century: an illustrated case history
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- 10.55am – 11.00am Kerry Gordon, University of Canterbury - Geochemical modelling of metal bioavailability toxicity in streams draining the Tui mine site, Te Aroha, NZ

Concurrent Session 8: Commercial Activity
- 10.10am – 10.20am James Pope, BECA - Evolution to dry stack tailings for Sue Aitken, Ltd - Acid sulphate soils in New Zealand - removal from coal mine drainage using limestone
- 10.20am – 10.30am Bernadette Field, Environmental Protection Authority - Seabed mining – the early twentieth century: an illustrated case history
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- 10.50am – 10.55am Paul Fielitz, SJS Resource Management - Value from legacy data
- 10.55am – 11.00am Kerry Gordon, University of Canterbury - Geochemical modelling of metal bioavailability toxicity in streams draining the Tui mine site, Te Aroha, NZ

Concurrent Session 9: Commercial Activity
- 10.10am – 10.20am James Pope, BECA - Evolution to dry stack tailings for Sue Aitken, Ltd - Acid sulphate soils in New Zealand - removal from coal mine drainage using limestone
- 10.20am – 10.30am Bernadette Field, Environmental Protection Authority - Seabed mining – the early twentieth century: an illustrated case history
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- 10.50am – 10.55am Paul Fielitz, SJS Resource Management - Value from legacy data
- 10.55am – 11.00am Kerry Gordon, University of Canterbury - Geochemical modelling of metal bioavailability toxicity in streams draining the Tui mine site, Te Aroha, NZ