Make the most of the networking and professional development opportunities offered by this AusIMM Conference . . . Register now!

Eighth AusIMM Open Pit Operators’ Conference 2012
Automation, Maximising Throughput & Return
18 – 19 September 2012, Perth, Western Australia

Platinum Sponsors

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Registration Brochure

Make the most of the networking and professional development opportunities offered by this AusIMM Conference . . . Register now!

www.ausimm.com/openpit2012
Invitation

As we plan for the Eighth AusIMM Open Pit conference in this series, we are making a shift in the emphasis, moving to an operators’ conference, with the focus on operations, through case studies and operations based papers and no longer confining the conference by name to just large operations. The conference is aptly named the Eighth AusIMM Open Pit Operators’ (OPO) Conference 2012.

During the time of the last two large open pit conferences, we experienced significant swings in commodity prices, market demand, fuel prices and the availability of equipment, consumables and of most importance, skilled personnel — all key driving factors in the industry. Whilst there is some global concern, at the time of writing, of a latent double dip to the GFC crisis, we prepare for this conference with great confidence and with the industry again facing continuing demand for raw materials, record prices and a scarcity of skilled personnel.

The roller coaster ride experienced by the industry over the time of the last two conferences should lend itself to a number of case studies, innovative success stories of hard work and solid returns to produce a significant number of open pit operations papers. Through such conferences as OPO 2012, The AusIMM achieves one of its key goals of providing the means by which members and the industry in general can keep abreast of technical developments and provide a forum to share views and opinions within the industry.

In 2012, the Open Pit Operators’ Conference will again be held in Perth, Western Australia, a state that has an economy driven by the global demand for commodities. Western Australia is acknowledged as the home of some of the world’s leading open pit mining operations. About half the state’s mining operations rely on long distance commute rosters, a feature of the industry that has significant impact upon the economy, demography and culture of Western Australia, as well as peoples’ lifestyle choices. The impact commuting has on safety performance, efficiency and operating practice will be a particular focus for the conference along with the impact of automation, autonomous equipment and remote control on the performance of mining operations around the world.

Richard Flanagan, FAusIMM(CP)
Conference Chair
Working with a global network of academic and industry partners the Mine-of-the-Future™ program introduces innovative technologies into Rio Tinto operations delivering step changes in performance.

Keynote presenters

The Importance of Innovation to the Mining Industry
John McGagh, Head of Innovation, Rio Tinto

John holds honors degrees in Chemical Engineering and Management Economics. He is a Fellow of the Institute of Chemical Engineers and the Institute of Materials, Minerals & Mining (IOM3). John is Head of Rio Tinto Innovation; his career experience spans processing, operations, business analysis and development, marketing plus global supply chain.

Indigenous Participation in Mining – Challenging Conventional Methodology to Cater for Diversity
Daniel Archer, General Manager Business Development and Group General Manager Aboriginal Affairs, Downer EDI Mining

Daniel Archer is well known throughout the minerals industry as an Indigenous economic development, business and industry advocate. His participation in leading committees, research projects and publications has seen an industry wide uptake of Indigenous recruitment strategies which he has developed and introduced to the minerals sector. Committee memberships include the Minerals Council of Australia and the Chamber of Minerals and energy.

Technical Papers

Automation

Rotary Drilling Automation Increasing Operator Productivity and Drilling Quality — J Appelgren, L Eriksson and D Penn

Change Challenges for Large Open Pit Mines towards Continuous Mining (In Pit Crushing and Conveying Systems) — M Schmitz, R Durchholz and A Heiertz

Automated Multi-Drills in Rio Tinto — C McHugh, A Stokes, F Oppolzer and B Rogers

Contracting

Transition to an Integrative Contracting Model — J Dodson

Design

Application of Arithmetic Progression in Haul Road Geometric Design — A D Ajak

Equipment Selection

A Comparison of Methods to Determine an Optimum Truck and Shovel Fleet Configuration Based on Effective Flat Haul and Capacity Constraint Modelling — S Campbell and P Hagan

Management

This Life of Mine: Personal Reflections on the Well-Being of the Contracted Fly-In, Fly-Out Workforce — S Goater, R Goater, I Goater and P Kirsch

Operating Systems and Improvements

The Introduction of Axis at Black Star Open Cut — T Lukins, M Slater, M Gabbitus and B Young

The Path to Best Practice at Geita Gold Mine — B S Gregory and M Monaghan

Raising the Simulator Training Bar – Strategies for Improved Work Performance and Effective Utilisation of Site Based Simulators — S Leveritt and P Wood

Reversing the Trend in Open Pit Mining Equipment Output — G Lumley, T Trot and M Lewis

Optimisation

The Contribution of Air-Deck Blasting to Open Pit Mining Economics — M A Abdalla, T Laing and P Hagan

Planning to Implementation

Mary Mac Hill: The Challenges and Strategies of Successful Open Cut Mining a Complex Underground Gold Deposit Riddled with a Network of Complicated Voids — T D Mullen and H Chalcraft

The Challenges of Taking a Design from Paper to the Operating Face — S Narendranathan, G P Bungard, R D H Thomas, V Gumba and C Barker

Risk Evaluation

RISKGATE – A Case Study in Application to Fires on Mobile Plant — J Harris, P Kirsch, D Sprott, M Spinks, S Goater and D Cliff


Technology and Innovation

Eliminating Unidentified Misfires at Xstrata Zinc’s Open Pits through the Application of Electronic Detonators — S Combrinck, R Lindsay and R Small

CONFERENCE TOUR

Open Pit Operators’ Newmont Boddington Mine Tour
Thursday 20 September 2012

The Tour:
Newmont Boddington Gold commenced plant start-up in July 2009. At the end of 2010, the mine had reserves of 20 M oz of gold and 2.4 B oz of copper.

Newmont Boddington Mine Site Tour – A one day drive-in, drive-out visiting Newmont’s Boddington Gold Mine including a briefing on the operation and a surface tour.

Number: Maximum – 20
Clothing: Closed safety shoes or boots, long trousers and long sleeved shirts. Any additional safety clothing will be provided.
Cost: A$95.00 per person, which includes transport to the site and return, lunch and safety equipment.

CONFERENCE WORKSHOP

Mine Design, Reserving and Optimised Long-Term Scheduling in MineSight®
Thursday 20 and Friday 21 September 2012

This practical workshop will show attendees how to approach the traditional life-of-mine planning process in MineSight. Attendees will learn how to design complex phase designs and generate bench reserves in MineSight. They will then create an optimised life-of-mine schedule using the MineSight Schedule Optimiser (MSSO) and produce reports and animations of the schedule. Attendees will be encouraged to work in groups and then discuss the outcomes.

Presenter: Mehmet Cigla, Principal MineSight Specialist, MineSight Applications.
Venue: MineSight Office, Level 2, 61 King Street, Perth WA 6000.
Cost: A$2400.00 AusIMM member and A$3000.00 non-member.

Register online: www.ausimm.com
Eighth AusIMM Open Pit Operators’ Conference 2012

CONFERENCE PROGRAM

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GENERAL INFORMATION

CONFERENCE ORGANISING COMMITTEE

Conference Chair
Richard Flanagan, Principal, Richard Flanagan Mining Consultancy

Committee Members
Bob Adam, General Manager, AMC Bauxite
Henry Andryszczak, Mine Planning Integration Lead, BHP Billiton
Chris Colbourne, General Manager Surface Mining Operations Technology and Innovation, Rio Tinto
John Hearne, Manager WA, Coffey Mining
Cam Schubert, General Manager, Hillgrove Resources

EVENT MANAGEMENT – The AusIMM

Alison McKenzie, Senior Manager, Events
Lucy Brown, Coordinator, Events
Claire Lockyer, Assistant, Publications
The Australasian Institute of Mining and Metallurgy (The AusIMM)
PO Box 660, Carlton South VIC 3053
Telephone: +61 3 9658 6126
Email: lbrown@ausimm.com.au
Website: www.ausimm.com.au

CONFERENCE PROCEEDINGS

All delegates will receive a soft cover copy of the conference proceedings containing full papers. Additional soft cover copies and CD ROM version may be purchased via the registration form and at the registration desk during the conference.
- Additional soft cover proceedings – A$77.00
- Additional CD ROM proceedings – A$55.00

NAME TAGS

Each delegate at the conference will be issued with a name tag upon registration. Your name tag is the official pass to all sessions and must be worn at all times. Lost name tags can be replaced at the registration desk.

VENUE AND ACCOMMODATION

Pan Pacific Perth Hotel
207 Adelaide Terrace, Perth Western Australia 6000

Hotel reservations:
Please contact the Reservations Department on:
- Telephone: +61 8 9224 7777
- Facsimile: +61 8 9224 7788
- Email: panpacific.perth@panpacific.com

Room rate:
The Pan Pacific Perth Hotel is pleased to offer OPO 2012 delegates the below room rates:
- Standard King Room – A$295.00 per room per night.
All rates quoted are per night based on single, twin or double occupancy and are GST inclusive.
To avail yourself of this offer please book directly with the Reservations Department and quote reservation ID code: 1209AUS117 or confirmation #73232.

SOCIAL PROGRAM

Happy Hour – Tuesday 18 September 2012
Where: Pan Pacific Perth Hotel
Time: 5.00 pm for 6.00 pm
Cost: Complimentary for all delegates
Guests: A$44.00 per person
Dress code: Smart casual

Conference Dinner – Tuesday 18 September 2012
Where: Pan Pacific Perth Hotel
Time: 7.00 pm for 7.30 pm
Cost: Complimentary for all delegates
Guests: A$121.00 per person
Dress code: Smart casual

DRESS CODE

Dress code for the conference is smart casual.

SPECIAL DIETARY OR ACCESS REQUIREMENTS

If you have special dietary requirements or need special access please indicate your needs on the registration form.

THE AUSIMM

- Members of The AusIMM receive a significant discount on the conference and its related activities. This discount is generally above the cost of an individual’s annual membership subscription.
- Non-members of The AusIMM receive a great offer relating to AusIMM membership. A letter outlining this offer will be given to you upon registration at the event.
- A selection of conference proceedings, monographs, technical journals and CD ROM proceedings will be available to purchase at this conference.
- All attendees receive a full participants list to enhance your networking base.

PROFESSIONAL DEVELOPMENT

It is a requirement of AusIMM membership that individuals engage in an appropriate level of professional development (PD). Maintaining current knowledge and skills through PD activities is imperative to ensuring AusIMM members continue to be the leading professionals in the global minerals sector.

Attending or presenting at this conference will contribute towards members’ professional development. AusIMM Chartered Professional members and RPEQ’s can claim 14 hours towards professional development in their logbook.

Register online: www.ausimm.com
In its fifth generation, RCS (Rig Control System) continues to be more productive than ever. The latest RCS technology has advanced safety capabilities, serviceability and drilling accuracy. With CAN-bus technology providing the backbone, ease of system upgrades and add-ons without major machine rebuilds are testaments to RCS’s flexibility and agility. Reduce your non-drilling time and connect to the future with us.

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Good customer service doesn’t just mean meeting expectations. It means exceeding them by exploring ways to add value, being proactive and thinking outside the box. That makes it rewarding for us… and our customers. **Downer Blasting Services**, we go the extra mile.

Drop in for a chat at booths 16 and 17, or call our General Manager for Business Development, Ian Simpson, on 0438 169 857.
DELEGATE DETAILS
Title – Please circle (Prof / Dr / Mr / Mrs / Miss / Ms )
AusIMM Membership Number (if applicable) .................................................................
Last Name* ..................................................................................................................
First Name* ..................................................................................................................
Preferred Name* .........................................................................................................
Organisation* ............................................................................................................... 
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BILLING ADDRESS (for receipting, if different to the above)
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AusIMM Membership record update: Would you like us to update your membership record with these details? Please indicate (✔) Yes ❏ No ❏
Guest Name .................................................................................................................. 
* Required information

REGISTRATION PROCEDURES
ATTENDANCE
Only pre registered, pre paid registrants will be guaranteed access to the event. Upon receipt of your registration and payment, The AusIMM will send registration confirmation.

REGISTRATION ON-SITE
On-site registrations, with payment only, will be admitted on space availability.

AusIMM MEMBER RATES
To qualify for the special rate of AusIMM Member as quoted on the registration booking form you must be a financial (paid) member. AusIMM 2012 membership fees are due by January 2012. Non-member registration fees apply to non-members and non-financial AusIMM members.

METHOD OF PAYMENT – CREDIT CARD ONLY
Payment must accompany all registrations. We accept the following credit cards: MasterCard, American Express and Diners.

All enquiries regarding payments, please telephone +61 3 9658 6100.

GST
All prices quoted in this brochure are inclusive of 10% GST.

WHAT’S INCLUDED
We welcome all overseas delegates, members, non-members, authors, new professionals and students to register by completing the registration form and returning it with their remittance to Event Management.

- Author / Delegate / Non-members / New Professionals and Student Registration includes: attendance at technical sessions, conference proceedings, morning and afternoon teas, lunches, Happy Hour and Conference Dinner.
- A student must be currently enrolled full-time at a tertiary institution. Proof of full-time status must be submitted with the registration form.

1 CONFERENCE REGISTRATION
DELEGATE REGISTRATION – Please indicate (✔)
AusIMM member A$1265 ❏ Non-member A$1760 ❏ 

COMPLIMENTARY FUNCTIONS – Please indicate if attending (✔)
Conference Dinner ❏

AUTHOR REGISTRATION – Please indicate (✔) Authors must register by 1 August 2012
All Authors A$1155 ❏

COMPLIMENTARY FUNCTIONS – Please indicate if attending (✔)
Conference Dinner ❏

NEW PROFESSIONAL – Please indicate (✔)
AusIMM member A$1155 ❏ Non-member A$1650 ❏

COMPLIMENTARY FUNCTIONS – Please indicate if attending (✔)
Conference Dinner ❏

STUDENT REGISTRATION – Please indicate (✔)
AusIMM member A$660 ❏ Non-member A$990 ❏

SELECT CONFERENCE DAY – Please indicate (✔)
Tuesday 18 September Conference Dinner ❏ Wednesday 19 September ❏

ADDITIONAL FUNCTION TICKETS – Please indicate (✔)
Conference Dinner – A$121 per guest ❏ Yes ❏ x ................. tickets

3 CONFERENCE PROCEEDINGS
Note, that one soft cover copy of the proceedings is included with your registration.

YES ❏ I wish to purchase an additional soft cover copy – AS77 
YES ❏ I wish to purchase a CD ROM copy – AS55

4 CONFERENCE TOUR
Please indicate (✔)
Newmont Boddington Mine Tour A$95 per person

5 CONFERENCE WORKSHOP Please indicate (✔)
Mine Design, Reserving and Optimised Long Term Scheduling in MineSight®

A$2400 AusIMM member ❏ A$3000 Non-member

6 SPECIAL REQUIREMENTS
Please advise any special requirements regarding diet, health or physical disabilities.

7 PAYMENT – TAX INVOICE (INC 10% GST)
ABN 59 856 002 494

PAGES MUST ACCOMPANY REGISTRATION – CREDIT CARD ONLY
Total A$……………………………………………………………………………………………

- Registration Procedures – Please indicate (✔) that you have read the Registration Procedures ❏
- Credit Cards – Please (✔) debit my:
  Visa ❏ Mastercard ❏ AMEX ❏ Diners Card ❏

Card No. ………………………………

Expiry Date: …………………….. CSV Number: ……………………………………….

Signature: ………………………………………

Please print name of cardholder:

All enquiries regarding payment, please telephone +61 3 9658 6100