

Sunday 6 September 2015

5.50 pm for 6.00 pm

GD Delprat Distinguished Lecture on Flotation – Dr Bill Johnson
www.metplant2015.ausimm.com.au/workshops

DAY 1 – Monday 7 September 2015 – Pan Pacific Hotel Perth, Golden Ballroom

Session 1: Comminution I

Session Chair: Damian Connelly FAusIMM(CP)

8.00 am – 8.05 am

Welcome: David Pollard HonFAusIMM, Conference Convenor

8.05 am – 8.10 am

Official Conference Opening: Janine Herzig FAusIMM(CP), Board Member, The AusIMM

8.10 am – 8.40 am

Keynote Presentation I: Integrated Mining and Metallurgical Planning and Operation — Peter McCarthy HonFAusIMM(CP), Chairman, AMC Consultants

8.40 am – 9.05 am

Optimisation of a Semi-autogenous Grinding Mill Through Trajectory and Power Modelling — Paul Toor

9.05 am – 9.30 am

The Arrium IsaMill from Design Through Commissioning and Optimisation — Greg Anderson

9.30 am – 9.55 am

A Novel Measurement for the Internal Operation of a Semi-autogenous Mill using Acoustic Sensors – A Case Study — Randolph Pax MAusIMM and Brian Cornish MAusIMM

9.55 am – 10.20 am

Understanding the Effects of Liner Wear on Semi-autogenous Grinding Mill Performance — Paul Toor

10.20 am – 10.50 am

Morning Tea & Exhibition, Grand River Ballroom & Foyer 3

Session 2: Comminution II & Preconcentration I

Session Chair: Stephen La Brooy FAusIMM

10.50 am – 11.15 am

Process Optimisation Using Real Time Tracking of Coarse Material in Individual Cyclone Overflow Streams — Dylan Cirulis

11.15 am – 11.40 am

Increasing Grinding Circuit Robustness with Advanced Process Control — Ari Rantala

11.40 am – 12.05 pm

Integrating Bulk Ore Sorting into a Mining Operation to Maximise Profitability — Kristy-Ann Duffy MAusIMM

12.05 pm – 12.30 pm

The Preconcentration of Precious and Base Metal Deposits using the Inline Pressure Jig – Higher Feed Grades and More Metal — Lisa Lim

12.30 pm – 12.35 pm

AusIMM Book Launch: Comminution Handbook: Comminution Handbook — Janine Herzig FAusIMM(CP), Board Member, The AusIMM; Greg Lane FAusIMM, Chief Technical Officer, Ausenco

12.35 pm – 1.35 pm

Lunch Break & Exhibition, Grand River Ballroom & Foyer 3

Session 3: Preconcentration II

Session Chair: Rob Coleman, Outotec

Session Sponsor: **Outotec**

1.35 pm – 2.05 pm

Keynote Presentation II: Sampling, Corporate Governance and Risk Analysis — Geoffrey Lyman, Principal, Materials Sampling & Consulting Pty Ltd

2.05 pm – 2.30 pm

McArthur River Mine Heavy Medium Plant - The Benefits of Applying Modern Coal Plant Design Principles to Base Metal Heavy Medium Separation — Jim Wallace MAusIMM

2.30 pm – 2.55 pm

Do we Need a Gravity Circuit or Not? A Case Study in Applying Best Practice — Steve Hart FAusIMM

2.55 pm – 3.20 pm

Improvements in Bi-metal Production at the Brunswick Plant, Costerfield — Vincent Cullinan

3.20 pm – 3.50 pm

Afternoon Tea & Exhibition, Grand River Ballroom & Foyer 3

Session 4: Sampling and Smelting

Session Chair: Darren Hill, MIPAC

Session Sponsor: **MIPAC**

Not presented in program

KEYNOTE A Progressive, Iterative Approach Leading to Reliable Metallurgical Accounting Sampling Systems — Francis Pitard, President, Francis Pitard Sampling Consultants LLC (Published in Abstracts and Proceedings)

3.50 pm – 4.15 pm

Optimising Plant Feed Quality and Process Performance using Geoscan Elemental Analysis — Henry Kurth MAusIMM

4.15 pm – 4.40 pm

Improving Cooling Tower Performance with Innovative Horizontal Outflow Design – A Case Study — Mark Weatherseed

4.40 pm – 5.05 pm

Improved Copper Flash Smelting at Olympic Dam — Matthew White

Not presented in program

Measuring the Influence of Sample Size on the Precision and Accuracy of Gravity Gold Estimation — Aiden Giblett (Published in Abstracts and Proceedings)

7.00 pm for 7.30 pm

Official Conference Dinner
Pan Pacific Hotel Perth, Golden Ballroom

DAY 2 – Tuesday 8 September 2015 – Pan Pacific Perth, Golden Ballroom

	Session 5: Gold & Copper Metallurgy Session Chair: Peter Cameron MAusIMM, Consultant
8.00 am – 8.30 am	Keynote Presentation III: Measuring and Taking Notice of Orebody Variability – An Essential Ingredient for Reliable Plant Design — <i>Dean David FAusIMM(CP), Technical Director, Process, Amec Foster Wheeler</i>
8.30 am – 8.55 am	Lessons Learnt and Performance – Installing and Commissioning an Ausenco Carbon Reactivation Kiln in Africa — <i>Stephen La Brooy FAusIMM</i>
8.55 am – 9.20 am	Bottle Rolls versus Stirred Beaker Leach Testing – Which is Best? — <i>Chris Greet FAusIMM(CP)</i>
9.20 am – 9.45 am	Commissioning and Ramp-up of the Albion Process at the GPM Gold Project — <i>Glenn Stieper MAusIMM</i>
9.45 am – 10.10 am	Karouni Gold Project from Drill Core to Commissioning — <i>Damian Connelly FAusIMM(CP)</i>
Not presented in program	The Influence of Pyrite on the Pulp Chemistry and Copper Flotation Response of a Chalcopyrite Ore — <i>Chris Greet (Published in Abstracts and Proceedings)</i>
10.10 am – 10.40 am	Morning Tea & Exhibition, Grand River Ballroom & Foyer 3
	Session 6: Tailings and Water Session Chair: Chris Greet FAusIMM(CP), Magotteaux Session Sponsor: 
10.40 am – 11.10 am	Keynote Presentation IV: Do All MetPlants Work Well? PlantMets Can Ensure They Do — <i>Peter Cameron MAusIMM, Consultant</i>
11.10 am – 11.35 am	Carmen Copper – A Sustainable Approach to Tailings Thickener Upgrades — <i>Sherwin Morgan</i>
11.35 am – 12.00 pm	Modified Nano-filtration Membrane Treatment of Hyper-saline Goldfields Water – An Overview and Benefits to Gold Plant Operation and Economics — <i>Brant Tapley MAusIMM</i>
12.00 pm – 12.25 pm	Pilot Tests for Heavy Metals Removal in Mine Water — <i>Christian Dube</i>
12.25 pm – 12.30 pm	AusIMM Chartered Professional Program Presentation — <i>Andrew Newell MAusIMM(CP), CP Board Member</i>
12.30 pm – 1.30 pm	Lunch Break & Exhibition, Grand River Ballroom & Foyer 3
	Session 7: Operations Session Chair: Tim Sennett, Thermo Fisher Session Sponsor: 
1.30 pm – 2.00 pm	Keynote Presentation V: Base Metals Concentrate Sales Contracts – Change Pavlov and the Dog — <i>Peter Munro FAusIMM, Senior Principal Consulting Engineer, Mineralurgy Pty Ltd</i>
2.00 pm – 2.25 pm	The Increased Recovery Project at the Phu Kham Copper-Gold Operation, Laos PDR — <i>Andrew Hoyle MAusIMM(CP)</i>
2.25 pm – 2.50 pm	Application of Research Principles to Identify Process Improvement at Sunrise Dam Gold Mine — <i>Paul Elms</i>
2.50 pm – 3.15 pm	Improvements in Flotation Cell Maintenance, Power Consumption and Operation at BHP Billiton Cannington — <i>Matthew Bird</i>
3.15 pm – 3.45 pm	Afternoon Tea & Exhibition, Grand River Ballroom & Foyer 3
	Session 8: Productivity Improvements Session Chair: Dean David FAusIMM(CP), Amec Foster Wheeler
3.45 pm – 4.15 pm	Keynote Presentation VI: Fatal Flaws in Technical Due Diligences — <i>Andrew Newell MAusIMM(CP) Executive Consultant, Processing, RungePincockMinarco</i>
4.15 pm – 4.40 pm	Operating Strategies for Custodians of Company Assets Creating Wealth — <i>Paul Newling FAusIMM(CP)</i>
4.40 pm – 5.05 pm	Does it Make Cent\$ to use Flotation Columns for Phosphate Beneficiation? — <i>Ewan Wingate MAusIMM(CP)</i>
5.05 pm – 5.30 pm	Nyrstar Port Pirie Redevelopment — <i>William Watt</i>
5.30 pm – 5.35 pm	Conference Close — <i>David Pollard HonFAusIMM, Conference Convenor</i>
Wednesday 9 September 2015	
9.30 am	Hofmann Engineering Site Tour: www.metplant2015.ausimm.com.au/workshops