



42nd Annual CMP Conference January 18-21, 2010

Final Technical and Social Program



Monday, January 18th, 2010

8:00 AM	Short Course Registration	Quebec Room, 4th floor Westin Hotel
8:00 AM	Short Course Breakfast	Quebec Room, 4th floor Westin Hotel
9:00 AM	Short course- National Instrument 43-101 - Morning Session	Quebec Room, 4th floor Westin Hotel
10:15 AM	Coffee Break	
10:45 AM	Short course- National Instrument 43-101 - Morning Session	
12:00 PM	Short Course Luncheon	Alberta Room, 4th floor Westin Hotel
1:00 PM	Short course- National Instrument 43-101 - Afternoon Session	Quebec Room, 4th floor Westin Hotel
2:30 PM	Coffee Break	
3:00 PM	Short course- National Instrument 43-101 - Afternoon Session	
5:00 PM	Short Course Adjourns	
7:00 PM	Early Registration	4th floor Westin Hotel
8:00 PM	Student Mixer	Quebec Room, 4th floor Westin Hotel
10:00 PM	Early Registration Closes	



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Tuesday, January 19th, 2010

7:00 AM	Author's Breakfast	Alberta Room, 4th floor Westin Hotel
7:00 AM	Registration	4th floor Westin Hotel

Session 1 - Operations

Session Chairs - Steve Wilson, Marta Bailey

Time	Paper No	Title	Authors
8:15 AM		Opening Remarks	CMP Chair Robert Henderson
8:30 AM	1	PLENARY - Setting the Record Straight	Don Thompson, CIM Distinguished Lecturer
9:10 AM	2	The Development and Commissioning of Ontario's First Diamond Mine – The Victor Diamond Mine	Adam Hempstock, Niel Morrison, Rick Welyhorsky, Ian Holl
9:35 AM	3	Mohawk Garnet	Bob McMurdy, Martin Nevens, Steve Stewart, Jim Sadowski
10:00 AM		Break	
10:30 AM	4	Frother and Collector Effects on Flotation Cell Hydrodynamics and their Implication on Circuit Performance	Frank Cappuccitti, Jan Nessel
10:55 AM	5	Advancements in Coarse and Fine Particle Flotation	J. Kohmeunch, L. Christodoulou, M. Fan, M. Mankosa, G. Luttrell
11:20 AM	6	Operational Characteristics of the TankCell® 300 at Codelco's Chuquicamata Concentrator	S Grönstrand, P. Morales, F. Coddou, H. Elgueta, C. Perez, A.B. Yañez
11:45 AM	7	Development of a Thiosalt Treatment System at Xstrata Copper Kidd Metallurgical Site	Andréa Lagacé
12:10 PM		Beer and Sandwich Social	Governor General ballroom, 4th floor

Session 2 - Process Mineralogy

Session Chairs - Nadia Ouellet, Virginia Lawson (Renee Barrette)

1:30 PM	8	Process Diagnosis Using Quantitative Mineralogy	Lori Kormos, Jorge Oliveira, Dominic Fragomeni, Elizabeth Whiteman, Jhonny Carrión De la Cruz
1:55 PM	9	Tof-SIMS Surface Analyses as a Diagnostic and Predictive Tool for Mineral Processing: New Developments and Applications	Brian Hart, Stamen Dimov
2:20 PM	10	Process Mineralogy of Silver Ores and Applications in Flowsheet Design and Plant Optimization	Joe Zhou
2:45 PM		Break	
3:15 PM	11	Stratified Sampling of Drill Core	Norman Lotter
3:40 PM	12	Advances in Precious Metal Trace Element Analyses for Department Using LAM-ICP-MS	Louis Cabri, Yeonuk Choi, Mike Nelson, Mike Tubrett, Paul Sylvester
4:05 PM	13	Vision for a Risk Adverse Integrated Geometallurgy Framework	Guillermo Turner-Saad
8:00 PM		CMP Hockey Game	Carleton University - Arena A
9:00 PM		Chairman's Reception	Les Saisons, 3rd floor, Westin Hotel



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Wednesday, January 20th, 2010

7:00 AM	Author's Breakfast	Alberta Room, 4th floor Westin Hotel
8:00 AM	Registration	4th floor Westin Hotel

Session 3 - New Ideas and Technology **Session Chairs - Larry Urbanoski, Peter Wells**

Time	Paper No	Title	Authors
8:30 AM	14	The Right Tools in the Right Place: How Xstrata Nickel Australasia Increased Ni throughput at its Cosmos Plant	Dan Curry, Michael Cooper, Josh Rubenstein, Tom Shouldice, Michael Young
8:55 AM	15	Innovative Mineral Processing Technologies – A first decade of R&D at COREM	Donald Leroux, Ahmed Bouajilla, Jean-François Wilhelmy
9:20 AM	16	Laboratory Testwork for Mixed Xanthates for Raglan Ore	Tony Deng, Simon Yu, Norman Lotter, Antonio DiFeo
9:45 AM	Break		
10:15 AM	17	Use of the Latest Technology to Overcome the Demands of Mill Operation	Tatiana Ravani von Ow, Leandro Bomvisinho
10:40 AM	18	National Instrument 43-101 Standards of Disclosure For Mineral Projects – What Metallurgists Should Know	Greg Gossan, Tony Lipiec
11:05 AM	19	Improving Mine/Mill Water Network Design by Reducing Water and Energy Requirements	AJ Gunson, Bern Klein, Marcello Veiga
11:30 AM	Annual Business Meeting		Confederation II ballroom

Session 4 - Hydrometallurgy **Session Chairs - John Eggert, Julie Fournier**

1:30 PM	20	The Re-emergence of Resin in Pulp with Strong Base Resins as a Low Cost, Technically Viable Process for the Recovery of Uranium	James Brown, John R. Goode, Chris Fleming
1:55 PM	21	Kupol Mill Leach Operation in 2008-09	J. Rajala, G. Deschênes, A. Romanov, G. Kolosay
2:20 PM	22	Commissioning of the Intensive Cyanidation Plant to treat Concentrate from the Selene Mine at the Ares Mill	Nick Katsikaros, Tad Crowie, Victor Delgado, Tim Hughes
2:45 PM	Break		
3:15 PM	23	An Economic and Environmental Case for Re-processing Gold Tailings in South Africa.	Chris Fleming, James A. Brown, Marius Botha
3:40 PM	24	Engineered Membrane Separation® (EMS®) Systems for Hydrometallurgical Applications	Larry Lien
6:30 PM	Reception		4th floor, Westin Hotel
7:30 PM	Award's Banquet		Confederation I ballroom



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Thursday, January 21st, 2010

7:30 AM	Author's Breakfast	Alberta Room, 4th floor Westin Hotel
8:30 AM	Registration	4th floor Westin Hotel

Session 5 - Modeling and Control Session Chairs - Rob Edwards, Lionel Ryan

Time	Paper No	Title	Authors
9:00 AM	25	Combining Dynamic Logistics Simulation with Process Modeling to Support Capacity Expansion Studies: Experience at ArcelorMittal Mines Canada Pellet Plant	Alexandre Noiseux, Jean Pierre Côté
9:25 AM	26	Asset Optimization through Process Control at Xstrata Alloys - Eland Platinum - "Optimal Doesn't Always Rhyme with Capital"	Jocelyn Bouchard, Martin Émond, Rebecca Monnapula, Neo Molelekeng
9:50 AM	Break		
10:15 AM	27	Kairos Mining, A Comprehensive Approach to Sustained Long-Term Benefits in Copper Processing Plant Automation	Claudio Zamora, Luis Castelli, Aldo Bonomelli, Giselle Schifferli
10:40 AM	28	Design and Implementation of Advanced Automatic Control Strategy Based on Dynamic Models for High Capacity SAG Mill	Iván Yutronic N., Rodrigo Toro
11:05 AM	29	The Application of Crushers and Screens in the Mining Industry: More Art than Science	Fernando Romero Lage

Session 6 - Comminution Session Chairs - Greg Rasmussen, Erin Legault-Seguin

1:30 PM	30	SAG or HPGR? – The Current Dilemma	Chris Morley, Paul Staples
1:55 PM	31	Successful Design of the NICO Grinding Circuit for Unusually Hard Ore	John Starkey, Mike Samuels
2:20 PM	32	The South American Experience in Adopting Twin Machine Grinding Mill Relining Technologies	John Russell
2:45 AM	Break		
3:15 AM	33	A Comparison of Energy Requirements of an HPGR/Stirred Mill Circuit and Conventional Grinding Circuits for the Comminution of Mesaba Ore	J. Drozdiak, S. Nadolski, A. Bamber, B Klein, S. Wilson
3:40 PM	34	Detection of Hydrocyclone Malfunction	Claude Bazin, Marilène Renaud, Arnaud Faucher, Mohamed Mai Manga
4:05 PM	35	The Benefits and Challenges of "Split Milling" at the Williams Mill	Tyler Buckingham, Glenn Norris
4:30 PM	Conference Adjourns		