

SUNDAY, September 25, 2011

<b>Morning - Mill Internals</b>					
Duration	Time	Order	Paper	Authors	Paper No.
0:20	8:00	1	AUTOGENOUS AND SEMIAUTOGENOUS MILLS 2010 UPDATE	Stuart M. Jones Jr. and Moris Fresko	28
0:20	8:20	2	SIMULATION AS A TOOL TO ENABLE WORLD'S BEST MILL RELINING PRACTICE	Peter Rubie	1
0:20	8:40	3	QUANTIFYING THE INFLUENCE OF LINER SHAPE AND MILL FILLING FOR PERFORMANCE OPTIMIZATION	Paul Toor, Jochen Franke, Malcolm Powell, Thomas Perkins, Matt Bird and Jason Robertson	47
0:20	9:00	4	PACKING IN SAG MILL SHELL LINERS – ISSUES AND CONTROLS	D. Royston	19
0:20	9:20	5	INTEGRATING LINER PROFILE EVOLUTION AND MILL PERFORMANCE WITH 3D DEM MODELLING	Nirmal Weerasekara, Malcolm Powell, Jochen Franke and John Favier	94
0:20	9:40	6	NEW DEVELOPMENT IN LINER DESIGN FOR LARGE AUTOGENOUS MILLS	T. Moller, J.K. Lichter, X. Qiu, L. Furtenbach and H. Stahlbrost	59
0:20	10:00	7	MEASURING, PREDICTING AND MANAGING GRINDING MEDIA WEAR	A. Giblett and J. Seidel	34
0:20	10:20	8	A NEW BAFFLES SYSTEM IN SAG MILL TROMMEL AT THE SHAHREBABA COPPER COMPLEX	M. Hekmati, M.R. Garmsiri and S.M. Hosseini	143
0:20	10:40	9	WEAR & DESIGN IMPROVEMENTS IN DISCHARGE CONES FOR LARGE SAG/AG MILLS	Craig Faulkner	8
0:20	11:00	10	PULP-LIFTER FLOW MODELING STUDY IN A PILOT SCALE MILL AND APPLICATION TO PLANT SCALE MILLS	Raj Rajamani, Dilek Alkac, Jose Delgadillo, Pramod Kumar, Dave Page, Martin Fillion and Simon Pelletier	53
0:20	11:20	11	PREDICTING PATTERNS OF SLURRY FLOW WITHIN AND DISCHARGE FROM A 3D PILOT SAG MILL	P.W. Cleary and R.D. Morrison	105
0:20	11:40	12	THE APPLICATION OF MULTIPHYSICS MODELS FOR THE DESIGN OF MILL DISCHARGE SYSTEMS	J.K.Lichter, M.Suazo, R.Noriega and V. Murariu	55
	12:00		Lunch		
<b>Afternoon - Characterization and Scale-up</b>					
Duration	Time	Order	Paper	Authors	Paper No.
0:20	13:30	1	SEEKING CONSENSUS – HOW MANY SAMPLES AND WHAT TESTWORK IS REQUIRED FOR A LOW RISK SAG CIRCUIT DESIGN	D. Meadows, P.A. Scinto and J.H. Starkey	133
0:20	13:50	2	SAG MILL TESTING - AN OVERVIEW OF THE TEST PROCEDURES AVAILABLE TO CHARACTERIZE ORE GRINDABILITY	F.O. Verret, G. Chiasson and A. McKen	159
0:20	14:10	3	EFFECT OF CORE DIAMETER ON THE BOND IMPACT CRUSHING WORK INDEX TEST	A.G. Doll, R. Phillips and D.J. Barratt	75
0:20	14:30	4	COMPARISON OF IMPACT BREAKAGE CHARACTERISATION METHODS BETWEEN THE JK ROTARY BREAKAGE TESTER AND DROP WEIGHT TESTER	F. Shi and T. Kojovic	101
0:20	14:50	5	THE EFFECT OF BLENDS OF ROCK SHAPE IN AG / SAG MILLS AND COMMINUTION CIRCUITS	R. Chandramohan, M.S. Powell, P.N. Holtham, G. Lane and M. J. Daniel	95
0:20	15:10	6	USE OF X-RAY COMPUTED TOMOGRAPHY TO QUANTIFY THE DIFFERENCES IN CRACKS AND PORES OF SPHALERITE ORE PARTICLES WHEN COMMINUTED USING AN HPGR AND CONE CRUSHER FOR HEAP LEACH FEED PREPARATION	Y. Ghorbani, A.N. Mainza, J.Petersen, J.T. Kalala, M. Beckerand and J-P. Franzidis	82
0:20	15:30	7	USING PISTON-DIE PRESS TO PREDICT THE BREAKAGE BEHAVIOUR OF HPGR	J.T. Kalala, H. Dong and A.L. Hinde	60
0:20	15:50	8	INVESTIGATION INTO LABORATORY SCALE TESTS FOR THE SIZING OF HIGH PRESSURE GRINDING ROLLS	S. Nadolski, A. S. Bamber, B. Klein and J. Drozdiak	161
0:20	16:10	9	DETAILED MODELING OF AN HPGR/HRC FOR PREDICTION OF PLANT SCALE UNIT PERFORMANCE	J.A. Herbst, M.A. Mular, W.T. Pate and X. Qiu	46
0:20	16:30	10	BOND IS BACK!	Mark Sherman	17
0:20	16:50	11	MAPPING OREBODY HARDNESS VARIABILITY FOR AG/SAG/CRUSHING AND HPGR CIRCUITS	S. Morrell	154
	17:10		Reception		
<b>Evening - Process Control</b>					
Duration	Time	Order	Paper	Authors	Paper No.
0:20	18:30	1	ADVANCES IN PROCESS CONTROL OF SAG MILLS AT KENNECOTT UTAH COPPER COPPERTON CONCENTRATOR	Mark Holdsworth, Jessica Hurst and Jeff McKay	163
0:20	18:50	2	MODEL PREDICTIVE CONTROL AS A TOOL FOR PRODUCTION RAMP-UP AND OPTIMIZATION AT THE NKOMATI NICKEL MINE	D.G. Almond, K. Becerra, T.D. Maru and D. Smit	146
0:20	19:10	3	SAG & BALL MILL CONTROL BY MODEL PREDICTIVE CONTROLLERS ON 3 LINES AT COLLAHUASI	I. Yutronic, P. Espinoza, and J. Olivares	68
0:20	19:30	4	INTEGRATED ADVANCED GRINDING CONTROL SYSTEM AT NEWMONT AHAFO	A. Broussaud, G. Legrand, D. Kok, E. Roux, O. Guyot and M. Revalor	162
0:20	19:50	5	NEW LOCKED CHARGE PROTECTION SYSTEM PREVENTS DAMAGE TO 14MW GEARED MILL	H. De Beer, M. Lombaard, P. Warner and P. van Zyl	37
0:20	20:10	6	ADAPTING MILL CONTROL TO ACCOUNT FOR LINER WEAR ON THE CADIA 40FT MILL	M. Bird, M.S. Powell and M. Hilden	122
	20:30		Open Discussion		

MONDAY, September 26, 2011

<b>Morning - Operations I</b>					
Duration	Time	Order	Paper	Authors	Paper No.
0:20	8:15	1	INCREASED SAG GRINDING CAPACITY AT GOLDEX SECONDARY CRUSHING OF SAG MILL FEED	A. Allaire, D. Runnels, Y. Sylvestre, J. Fournier and F. Robichaud	43
0:20	8:35	2	OPTIMIZATION OF THE DAMANG MINE	Charles Amoah, Fred Kock, and Dayang Datu Khalil	64
0:20	8:55	3	AN OVERVIEW OF THE DESIGN, CONSTRUCTION, COMMISSIONING AND EARLY YEARS OF OPERATION OF THE SAG/BALL MILL GRINDING CIRCUIT AT PHU KHAM COPPER, GOLD OPERATION IN LAOS.	J.B. Hadaway and D.W. Bennett	144
0:20	9:15	4	GIBRALTAR MINE SAG MILL EXPANSION GRINDING CIRCUIT DESIGN	R.J. Rotzinger and K.W. Major	20
0:20	9:35	5	KINROSS PARACATU, START-UP AND OPTIMIZATION OF SAG CIRCUIT	L.T. Santos Junior, M.P.D. Gomes, R.B. Gomides, T.V. Pignaton and W. Phillips	5
0:20	9:55	6	COMMISSIONING AND OPERATION OF MILLING CIRCUIT AT SANTARITA NICKEL OPERATION	E. Faria and S.Latchireddi	137
0:20	10:15	7	A REVIEW AND UPDATE OF THE GRINDING CIRCUIT PERFORMANCE AT THE LOS PELAMBRES CONCENTRATOR, CHILE	David G. Meadows, German Naranjo, Gonzalo Bernstein and Edgardo Tapia	145
0:20	10:35	8	SABC CIRCUIT OPERATIONS AT EL DORADO'S JINFENG GOLD MINE	Yan Yang, Chao Yang and Ligu Tian	40
0:20	10:55	9	AN UPDATE OF THE SAG MILLING OPERATION AT THE PEÑASQUITO MINE LOCATED IN THE ZACATECAS STATE, MEXICO	Elmer Palmer, Steve Dixon and David Meadows	169
0:20	11:15	10	SAG MILL OPERATIONS IN SOSSEGO MINE	L. C. R. Machado, A. M. Mendonça, R. A. Fonseca and M. A. N. Rosa	74
0:20	11:35	11	10 YEARS OF HISTORY OF ANTAMINA'S SAG MILL	Javier Linares García	13
	11:55		Lunch		
<b>Afternoon - AG Milling</b>					
Duration	Time	Order	Paper	Authors	Paper No.
0:20	13:30	1	AUTOGENOUS MILL FEED PREPARATION TO REDUCE UNIT ENERGY CONSUMPTION	James E. Wennen and Dennis L. Murr	38
0:20	13:50	2	INVESTIGATION OF SORTING TECHNOLOGY TO REMOVE HARD PEBBLES FROM AN AUTOGENOUS MILLING CIRCUIT	P. Condori, G. Rech and J. Winnett	129
0:20	14:10	3	AG MILLING WITH AND WITHOUT PEBBLES RECYCLE - EFFECT ON MULTI-COMPONENT ORE DEPARTMENT AND THROUGHPUT	A.N. Mainza, T. Kojovic, E. Katsande, K. Seerane, R. Khumalo and D. Seke	79
0:20	14:30	4	THE DOMINANCE OF THE COMPETENT	M. Bueno, M.S. Powell, T. Kojovic, J. Worth, F. Shi, E. Niva, G. Adolfsson, M. Henriksson, Å. Partapuoli, P. Wikström, K. Tano and A. Fredriksson	114
0:20	14:50	5	MULTI-COMPONENT AUTOGENOUS PILOT TRIALS	M. Bueno, M.S. Powell, T. Kojovic, F. Shi, J. Sweet, D. Phillips, B. Durant and N. Plint	97
0:20	15:10	6	THE BENEFITS OF AG MILLING FOR DIAMOND LIBERATION WHEN PROCESSING SOFT KIMBERLITES	J.E. Danoczi and J.A. Herbst	165
0:20	15:30	7	LKAB AUTOGENOUS MILLING OF MAGNETITE	M.S. Powell, H. Benzer, H. Dunder, N. Aydogan, G. Adolfsson, Å. Partapuoli, P. Wikström, A. Fredriksson and K. Tano	112
0:20	15:50	8	FROM OPEN CAST TO BLOCK CAVE AND THE EFFECTS ON THE AUTOGENOUS MILLING CIRCUIT AT PALABORA MINING COPPER	P. Condori, D. Fischer, J. Winnett and J. Makgatho	128
0:20	16:10	9	SELECTION AND COMMISSIONING OF ABC GRINDING CIRCUIT FOR NKOMATI NICKEL MINE	E. Wolmarans, P.J. Morgan and D.S. Smit	9
0:20	16:30	10	COMMISSIONING AND OPERATION OF THE AG MILLS AT THE AITIK EXPANSION PROJECT	S.Markstrom	62
0:20	16:50	11	WORLD'S LARGEST 28 MW AG MILLS, LARGEST SHOP TRIAL, ONE PIECE DELIVERY & INSTALLATION	Rajiv Kalra and Ji Jiangang	14
	17:10		Reception		
<b>Evening - Design</b>					
Duration	Time	Order	Paper	Authors	Paper No.
0:20	18:30	1	THE APPROPRIATENESS OF THE TRANSFER SIZE IN AG AND SAG MILL CIRCUIT DESIGN	S. Morrell	153
0:20	18:50	2	A REVIEW OF 10 YEARS OF AG/SAG PILOT TRIALS	M. Bueno and G. Lane	141
0:20	19:10	3	SINGLE STAGE SAG/AG MILLING DESIGN	Brian Putland, Fred Kock and Leigh Siddall	57
0:20	19:30	4	SAG AND BALL MILL CIRCUIT LAYOUT AND DESIGN	L. Dufour, K. McVey, S. Perkins, L. Rolandi and E. Young	168
0:20	19:50	5	CADIA EXPANSION – FROM OPEN PIT TO BLOCK CAVE AND BEYOND	D. Engelhardt, J. Robertson, G. Lane, M.S. Powell and P. Griffin	121
0:20	20:10	6	A PILOT-SCALE EXAMINATION OF A HIGH PRESSURE GRINDING ROLL / STIRRED MILL COMMINUTION CIRCUIT	J.A. Drozdak, B. Klein, S. Nadolski and A. Bamber	142
0:20	20:30	7	ZEN AND THE ART OF SPECIFICATION WRITING	R. A. Nemchek	158
	20:50		Open Discussion		

TUESDAY, September 27, 2011

<b>Morning - Comminution General</b>					
Duration	Time	Order	Paper	Authors	Paper No.
0:20	8:15	1	RING GEAR INSPECTION USING EDDY CURRENT ARRAY (ECA) COMBINED WITH ALTERNATING CURRENT FIELD MEASUREMENT (ACFM) TECHNIQUES	Tom Shumka	45
0:20	8:35	2	FEASIBILITY OF DRY HIGH PRESSURE GRINDING AND CLASSIFICATION	F.P. van der Meer	54
0:20	8:55	3	NOVEL COMMUNITION MACHINE MAY VASTLY IMPROVE CRUSHING-GRINDING EFFICIENCY	Lawrence Nordell and Alexander Potapov	149
0:20	9:15	4	FEED SIZE CHANGES FOR INCREASED THROUGHPUT AT NEWMONT CARLIN'S DRY GRINDING CIRCUIT	Adrian Dance, Walter Valery, Jeff Snyder, Megan Tibbals and Lauren Hafila	12
0:20	9:35	5	CONGA: THE WORLD'S FIRST 42 FOOT DIAMETER 28 MW GEARLESS SAG MILL	T. Orser, V. Svalbonasand M. Van de Vijfeijken	131
0:20	9:55	6	THE METSO MP1250 CONE CRUSHER – TWO CASE STUDIES	D.A. Jacobson, M. Mular, P. Cook, M. Schmalzel, S. Koski and S. Crosby	151
0:20	10:15	7	STIRRED MILLING AT ANGLO AMERICAN PLATINUM	Chris Rule	89
0:20	10:35	8	IsaMill™ TECHNOLOGY IN THE PRIMARY GRINDING CIRCUIT	G.S. Anderson, D.T. Smith and S.J. Strohmayer	7
0:20	10:55	9	TROUBLESHOOTING LONMIN ROM MILL TREATING ORES PRODUCED BY TWO MINING METHODS	F.Shi, A.N. Mainza, S. Larbi-Bram, E.V Manlapig, U. Erol, V. Ross and K. Tshimanga	87
0:20	11:15	10	INTEGRATING THE STRENGTHS OF SAG AND HPGR IN A FLEXIBLE CIRCUIT DESIGNS	M.S. Powell, H. Benzer and A.N. Mainza	116
0:20	11:35	11	HPGR TRADE-OFF STUDIES AND HOW TO AVOID THEM	C.T. Morley	170
	11:55		Lunch		
<b>Afternoon - High Pressure Rolls</b>					
Duration	Time	Order	Paper	Authors	Paper No.
0:20	13:30	1	THE EFFECTS OF ORE VARIABILITY ON HPGR TRADE-OFF ECONOMICS	P. Amelunxen, M.A. Mular, J. Vanderbeek, L. Hill and E. Herrera	152
0:20	13:50	2	HPGR'S IN MINERALS: WHAT DO EXISTING OPERATIONS TELL US FOR THE FUTURE?	Egbert Burchardt, Norbert Patzelt, Johann Knecht and Rene Klymowsky	108
0:20	14:10	3	ENHANCED LIBERATION IN HPGR CIRCUITS	F. Heinicke and Dr. R. Erpelding	107
0:20	14:30	4	EFFECTS OF THE ROLLS' SPEED AND PRESSURE ON THE HPGR PERFORMANCE DURING GOLD ORE GRINDING	H. Dundar, H. Benzer, A.N. Mainza and C. Dzomeku	88
0:20	14:50	5	A NOVEL AG-CRUSHER-HPGR CIRCUIT FOR HARD, WEATHERED ORES CONTAINING CLAYS	P.P. Rosario, R.A. Hall, M. Grundy and B. Klein	69
0:20	15:10	6	EVALUATION OF SCALE UP EFFECT ON HIGH PRESSURE GRINDING ROLL (HPGR) IMPLEMENTATION AT PT FREEPORT INDONESIA	G. Banini, A. Villanueva, J. Hollow and J. Mosher	171
0:20	15:30	7	IMPORTANCE OF THE FEED SIZE DISTRIBUTION AND RECYCLE ON THE HPGR PERFORMANCE	H. Dundar, H. Benzer, N.A. Aydogan, M. Powell and A.N. Mainza	119
0:20	15:50	8	TRANSFORMING THE EFFECTIVENESS OF THE HPGR CIRCUIT AT ANGLO PLATINUM MOGALAKWENA	M.S. Powell, H. Benzer, A.N. Mainza, C.M. Evertsson, L.M. Tavares, M. Potgieter, B. Davis, N. Plintand and C. Rule	118
0:20	16:10	9	CERRO VERDE CONCENTRATOR – FOUR YEARS OPERATING HPGRs	S. Koski, J. Vanderbeek and J. Enriquez	140
0:20	16:30	10	EFFECTS OF HPGR INTRODUCTION ON GRINDING PERFORMANCE AT PT FREEPORT INDONESIA'S CONCENTRATOR	A. Villanueva, G. Banini, J. Hollow, R. Butar-Butar and J. Mosher	172
0:20	16:50	11	COMMISSIONING AND RAMP UP OF THE HPGR CIRCUIT AT NEWMONT BODDINGTON GOLD	Steven Hart, Brendan Parker, Tyron Rees, Abbas Manesh and Ian McGaffin	41
	17:10		Reception		
<b>Evening - Drives</b>					
Duration	Time	Order	Paper	Authors	Paper No.
0:20	18:30	1	MECHANICAL FORCES OF ELECTROMAGNETIC ORIGIN CAUSING STRESS CONDITIONS IN GEARLESS MILL DRIVES	J. Pontt, F. Rojas, W. Valderrama, M. Olivares, F. Albayay, U. Ramos and H. Robles	167
0:20	18:50	2	INSURABILITY OF LARGE GEARLESS MILL DRIVES	L. Bos, M. van de Vijfeijken and J. Koponen	6
0:20	19:10	3	TOWARDS IMPROVING GEARLESS MILL DRIVE AVAILABILITY	P.R. Warner	31
0:20	19:30	4	AVAILABILITY AND RELIABILITY OF SIEMENS' GEARLESS DRIVES	Kurt Tischler and Todd Kennedy	156
0:20	19:50	5	COPPER MOUNTAIN: OVERVIEW ON THE GRINDING MILLS AND THEIR DUAL PINION MILL DRIVES	M. van de Vijfeijken, A. Filidore, M. Walbert and A. Marks	25
0:20	20:10	6	REMOTE DIAGNOSTIC SERVICES FOR GEARLESS MILL DRIVES	S. Gaulocher, K.S. Stadler, T. von Hoff, R. Veldsman, A. Fuerst and J. Koponen	135
	20:30		Open Discussion		

WEDNESDAY, September 28, 2011

<b>Morning - Simulation and Production Optimization</b>					
Duration	Time	Order	Paper	Authors	Paper No.
0:20	8:15	1	SIMULATING TUMBLING MILL ACOUSTIC SIGNALS USING DEM	Sudarshan Martins, Poorya Hosseini, Tristan Martin, Peter Radziszewski, Francois-Raymond Boyer, Arnaud Faucher, Sami Makni and Amar Sabih	50
0:20	8:35	2	TOWARDS MECHANISTIC DESCRIPTIONS OF CHARGE AND SLURRY TRANSPORT IN TUMBLING MILLS	I. Govender, G.B. Tupper, A.N. Mainza and D.J. Parker	83
0:20	8:55	3	EFFECT OF LASER SCANNED GEOMETRY AND LINER WEAR ON DEM MODELLING OF MILL PERFORMANCE FOR A FULL SCALE THREE-DIMENSIONAL SAG MILL	P.W. Cleary and J. Franke	104
0:20	9:15	4	AN ENERGY BASED APPROACH TO QUANTIFYING THE RESPONSE OF AG/SAG MILLS TO ORE BLENDS	T. Kojovic	148
0:20	9:35	5	PREDICTING THE EVOLUTION OF ROCK SIZE AND SHAPE DISTRIBUTIONS USING DEM BASED ON DIFFERENT MODES OF BREAKAGE IN AG AND SAG MILLS	R. Morrison, P.W. Cleary, B. Loveday, G.W. Delaney and S. Cummins	99
0:20	9:55	6	UPGRADING THE JK SAG MILL MODEL	T. Kojovic, M.S. Powell, C. Bailey and D. Drinkwater	117
0:20	10:15	7	LEAPING FORWARD IN SAG AND AG MILL SIMULATION USING A MECHANISTIC MODEL FRAMEWORK	R.M. de Carvalho and L.M. Tavares	67
0:20	10:35	8	OPTIMISATION AND CONTINUOUS IMPROVEMENT OF ANTAMINA COMMINUTION CIRCUIT	Edward Rybinski, Jorge Gherzi, Frank Davila, Javier Linares, Walter Valery, Alex Jankovic, Roberto Valle and Serkan Dikmen	130
0:20	10:55	9	IMPROVEMENTS IN SAG MILL THROUGHPUT FROM FINER FEED SIZE AT THE NEWMONT AHAFO OPERATION	Adrian Dance, Sonny Mwansa, Walter Valery, George Amonoo and Bryon Bisiaux	11
0:20	11:15	10	APPLIED GEO-METALLURGICAL CHARACTERISATION FOR LIFE OF MINE THROUGHPUT PREDICTION AT BATU HIJAU	F. Wirfiyata and K. McCaffery	32
0:20	11:35	11	PROCESS INTEGRATION AND OPTIMISATION OF THE BODDINGTON HPGR CIRCUIT	S. Hart, T. Rees, S. Tavani, W. Valery and A. Jankovic	126
	11:55		Lunch		
<b>Afternoon - Operations II</b>					
Duration	Time	Order	Paper	Authors	Paper No.
0:20	13:30	1	GRINDCURVES APPLIED TO A RANGE OF SAG AND AG MILLS	M.S. Powell and T. Perkins and A.N. Mainza	115
0:20	13:50	2	EVALUATION OF SECONDARY CRUSHING PRIOR TO SAG MILLING AT NEWMONT'S PHOENIX OPERATION	G.M. Castillo and C. Bissue	39
0:20	14:10	3	THE CHANGE IN OPERATING PHILOSOPHY AFTER CONVERTING THE COMMINUTION CIRCUIT FROM A SINGLE STAGE SAG MILL TO A SAG/BALL MILL CIRCUIT – THE TARKWA EXPERIENCE	.N. Mainza, M. Lombard, P.A Bepswa, S. Arthur, J.O. Yeboah, G. Nutor and V. Boakye	85
0:20	14:30	4	CONVERSION OF THE BARRICK GRANNY SMITH GRINDING CIRCUIT TO SINGLE STAGE SAG MILLING	Adrian Dance, Walter Valery, Arlene Rofe and Andrew Radford	10
0:20	14:50	5	YANACOCHA GOLD SINGLE STAGE SAG MILL DESIGN, OPERATION, AND OPTIMIZATION	Ben Burger, Luis Vargas, Hamer Arevalo, Sergio Vicuna, Jim Seidel, Walter Valery, Alex Jankovic, Roberto Valle and Eduardo Nozawa	127
0:20	15:10	6	CONVERTING AG TO SAG MILLS: THE GOL-E-GOHAR IRON ORE COMPANY CASE	M. Maleki-Moghaddam, M. Yahyaei and S. Banisi	3
0:20	15:30	7	OPTIMISATION OF THE PROMINENT HILL SAG MILL	Mark Weidenbach, Brett Triffett and Christopher Treloar	33
0:20	15:50	8	IMPROVING ENERGY EFFICIENCY IN BARRICK GRINDING CIRCUITS	Lloyd Buckingham, Jean-Francois Dupont, Julius Stieger, Bob Blain and Christian Brits	150
0:20	16:10	9	GRINDING CIRCUIT DESIGN FOR SIMILCO MINES	Anita Marks, Craig Sams and Ken Major	21
0:20	16:30	10	THE NAVACHAB OPTIMISATION HISTORY; EXCEEDING SAG PERFORMANCE BENCHMARKS	W.I. van Drunick, H. Wilhelm, I. Smit and M. Powell	23
0:20	16:50	11	CARMEN DE ANDACOLLO – START-UP OF TECK'S NEW COPPER CONCENTRATOR	C.S.R. Rondestvedt, M. Bustos and L. Torres	61
<b>Evening - Banquet</b>					
1:00	18:00		Cocktails		
2:30	19:00		Dinner		
	21:30		Close		