

PRELIMINARY LIST OF APPROVED PAPERS

(as of August 17, 2010)

Comminution: Crushing, Grinding and HPGR (12)

(3) Grinding Chemistry, Part III: Industrial Testing.

Christopher Greet & Jessica Kinal, Magotteaux Australia Pty Limited, Australia; Matthew Peatey & John Twomey, Xstrata Copper, Australia

(11) Cavity Level's Effect on Cone Crusher Performance and Production.

Peter Janssen, Dusty Jacobson & Victor Urbinatti, Metso Minerals Industries, Inc.

(14) High Pressure Grinding Rolls (HPGR) in Comparison to SAG Milling Technology.

Raycho Anguelov, Hassan Ghaffari & Jake Alexander, Wardrop, A Tetra Tech Company, Canada

(20) What is a competent ore and how does this effect comminution circuit design?

Greg Lane & Paul Staples, Ausenco Limited, Australia

(23) High Pressure Grinding at Vasilkovka Gold.

Frank Peter van der Meer, Humboldt Wedag GmbH, Germany; A. Romanchenko, TOMS Institute for Mineral Resources Separation Technologies (NTL TOMS), Russia

(26) Improving operational continuity of the rod mills.

Magín Torres & Alfonso Paredes, CODELCO Chile, División Norte

(30) A Method for the Selection of SAG or HPGR Grinding Circuits for a Project Involving the Hardness Variability of the Ore Body.

Carlos Lozano & Dave Bulled, SGS-Mineral Services, Canada

(32) Microcracking versus the Phantom Cyclone; Comparing SAG Mills and HPGR on a Consistent Basis.

Alex Doll, Alex G Doll Consulting Ltd, Canada; Ricardo Godoy, Anglo American Norte, Chile; Derek Barratt, DJB Consultants, Inc, Canada

(33) Consolidation and Validation of Mill Power Models.

Mike Daniel, Ausenco Minerals, Australia; Stephen Morrell, SMCC PTY LTD., Australia

(40) The Standard Bond Test.

Miguel Becerra and Peter Amelunxen, Aminpro, Chile

(45) Pilot HPGR Campaign at the Codelco El Teniente Copper Mine.

Frank Peter van der Meer and R. Dicke, Humboldt Wedag GmbH, Germany; Hernán Elgueta, Codelco Chile; Pierre Negroni, Weir Minerals, Chile

(46) Citic HIC Geared Versus Gearless Drive Solutions Abstract.

Rajiv Kalra, CITIC-HIC Pty Limited Australia

Concentration Plant Management and Operation (4)

(12) Data Redundancy in Metallurgical Accounting.

Luc Lachance & Frédéric Flament, Algosys inc. Canada

(17) Effect of Type of Uncertainty in the Analysis, Evaluation, Improvement and Selection of Flotation Circuits.

Marcelo Montenegro & Luis Cisternas, CICITEM, Universidad de Antofagasta, Chile; Edelmira Gálvez CICITEM, Universidad Católica del Norte, Chile

(37) Virtual Experience for Operator Training.

Jari Moilanen and Pertti Lamberg, Outotec Oy, Finland

(41) An Operational Approach to the Processing Plants Production Scheduling.

José Castro, Sandra López and Mauricio Barraza, CODELCO Chile, El Teniente Division, Chile

Expansions and Greenfield Projects

(1)

(18) The use of MAFMO Software as a Tool for Prefeasibility Studies of Greenfield Mining and Plant Projects.

Carlos Otávio Petter, Universidade Federal do Rio Grande do Sul, Brazil; Milton Correa Carricone, Mining Consultant, Brazil

Fundamentals and Practical Applications of Flotation

(10)

(4) Characterisation of the Operating Performance of the Simine Hybrid Flot Flotation Cell.

Wolfgang Krieglstein, Gerold Franke & Lilla Grossmann, Siemens AG, Germany

(6) Improving <20µm Copper Sulphide Mineral Recovery by Magnetic Agglomeration – Measuring the Degree of Agglomeration.

Rebecca Fleming, Rio Tinto Technology and Innovation, Australia; Glenn Wood, Northparkes Mines, Australia; Barry Lumsden, Centre for Multiphase Processes, University of Newcastle, University Drive, Australia

(9) Bubble Oscillation and Particle Detachment in Flotation Processes.

Werner Hartmann, Stefan Blendinger, Robert Fleck, Siemens AG Corporate Technology, Germany; Lilla Grossmann, Siemens AG Industry IS MT MI, Germany

(10) Development and Operation of a Laboratory-Size Hybrid Flotation Cell.

Werner Hartmann, Stefan Blendinger & Robert Fleck, Siemens AG Corporate Technology, Germany; Gerold Franke, Lilla Grossmann & Wolfgang Krieglstein, Siemens AG, Industry Sector, Germany

(13) Hidrodinamic and Metalurgical Characterization of Flotation Cells in a Molybdenum Plant.

Pedro Morales, Hernán Elgueta & C. Torres, CODELCO Chile; Juan Yianatos & L.Vinnett, Universidad Técnica Federico Santa María, Chile; F. Díaz, Comisión Chilena de Energía Nuclear, Chile

(16) An Investigation into Molybdenite Recovery in Secondary Circuit in Plant No. Two at Sarcheshmeh.

M. Mirshamssi & Hassan Haji Amin Shirazi, University of Shahid Bahonar of Kerman, Iran; M. Yarahmadi & S. Zeidabadi, National Iranian Copper Industries Company (NICICO), Iran

(24) Effect of Frother on the Selectivity of Flotation.

M. Gamboa & Claudio Acuña, Univesidad Católica del Norte, Chile; Willy Kracht, Mining Engineering Department, Universidad de Chile

(25) A Stochastic Approach for Measuring Bubble Size Distribution Via Image Analysis.

Willy Kracht, Xavier Emery & Alvaro Egaña, Mining Engineering Department, Universidad de Chile

(38) Predicting concentrate grades in Cu Sulphides: Stoichiometrical Model.
Carlos Perez, Codelco Norte Concentrator, Chile

(39) Optimal use of Reagents to Increase Cu and Mo Recoveries.
Carlos Perez and Guillermo Droguett, Codelco Norte Concentrator, Chile

Process Design, Simulation and Optimisation (7)

(5) Design and Operation of a Liquid Fluidized Bed Classifier for Polydisperse Suspensions of Equal-Density Solid Particles Based on Simulation.

Antonio García & G. López, Universidad Católica del Norte, Chile

(7) Was that Metallurgical Testing Program any Good, for Process Design and Project Financial Evaluation?

Stuart Saich, Promet101 Consulting, Chile & Australia

(8) Automated Condition Monitoring of Mill Ball Size Distribution and Grate Open Area.

Jochen Franke, Stan Michalek, Paul Schurmann & Olga Achkar, Scanalyse Pty Ltd., Australia; Geoffrey West, Department of Spatial Sciences, Curtin University of Technology, Australia

(27) Lead Recovery from Metallurgical Slag.

Paulo Braga & João Sampaio, CETEM, Center for Mineral Technology, Brazil; Arnolfo Coelho & João Nunes, Acumuladores Moura- Metalúrgica Bitury, Brazil

(34) A Fast Method for Solving Mineral Flotation Circuit Simulations.

Doug Hatfield, Hugo Rumayor, James Connolly and David Hatton, SGS Minerals Services – Canada

(35) An Investigation into the Effect of Grind on Flotation Performance by Modelling a Large Copper Concentrator.

David Hatton and Luis Valencia, SGS Lakefield Research Ltd., Canada and Chile

(36) Optimize Mill Performances by using on-line Ball and Pulp Measurements.

Benoît Clermont and Bernard de Haas, Magotteaux International S.A., Australia

Water Management & Tailings Handling (5)

(21) Cost-Effective Handling of Tailings Using Double Hose-Diaphragm Pumps in Downflow Configuration.

Heinz Nägel, CEO of FELUWA Pumpen GmbH, Germany

(29) The Design and Construction of a 96,000 TPD Copper Tailings Paste Thickener Plant.

Liam MacNamara, FLSmidth Minerals, UK; N. Khoshniaz & S. Javadi, National Iranian Copper Industries Co., Iran; S. Hashemi, CanyMes Engineering and Technical Services, Iran

(31) Challenges and State of Art for Planning, Designing and Pilot Testing on Paste Tailings.

Sergio Barrera and Hugo Quelopana, ARCADIS, Chile; Marco Becerra, ASMIN, Chile; Rene Orellana, Minera Lumina Copper Chile S.A.

(42) Increase in the Recovery of Water from Tailings for Flotation, modifying its Reological Properties.

Hugo Campos, Minera Escondida Limitada, Chile and Teofilo Graber, Universidad de Antofagasta, Chile

(43) Sal or Desal: Seawater Supply Options for the Mining Industry.

Raymond Philippe, Richard Dixon and Silvana Dal Pozzo, Hatch Ingenieros y Consultores Ltda, Chile