



A L T A
2002
C O P P E R - 7

Rendezvous
Observation City Hotel
Perth, Western Australia

24th - 25th May 2002

THE PRE-EMINENT GLOBAL TECHNICAL INTERCHANGE

Day 1

Thursday 23rd May, 2002

Heap & Dump Leaching

Session 1

Day 1 - Programme
Thursday 23rd May 2002

Heap & Dump Leaching

Initiation of Bioleaching at Nifty Copper Operation

By Linus Sylwestrzak, Michael Cudby - Straits (Nifty) Pty Ltd
And David Readett, K Dudley - Straits Resources Limited - Australia

An Improved Air Distributor for Sulphide Heap Bioleaching

By Danny Castillo, Paul Smithson and Enrique Becerra- Minera Escondida Ltda., BHP Billiton - Chile

Secondary Leaching at Zaldivar

By Carlos A Garcia and Jorge Campos - Compania Minera Zaldivar - Chile

Dump Leaching of Marginal Oxide Ore at Mantos Blancos

By Roger Kelley and Gabriel Zarate - Empresa Minera de Mantos Blancos - Chile

Heap Leach Project Modelling for a Copper Ore: from Mineralogy to Economics

By Paulo Roberto S M Nogueira, Geysa S P Pereira, Renato S Costa and Vanessa M Torres -
Companhia Vale do Rio Doce - Brazil

Recent Advances in Copper Heap Leach Analysis and Interpretation

By Graeme M Miller - Sinclair Knight Merz Pty Ltd - Australia

A New Approach to Heap Leach Modeling and Scale-Up

By Mal Jansen and Alan Taylor - International Project Development Services Pty Limited - Australia

Plant Design & Operation

Improved Iron Scrubbing with a Wash Stage

By Michael J Virnig and Stephen M Olafson - Cognis Corporation - USA

Flexible OutoCompact Copper SX Track

By Pertti Pekkala, Arja Oja and Raimo Kuusisto - Outokumpu Technology- Hydrometallurgy
Juhani Lyyra - Outokumpu Engineering Services Oy
Bror Nyman and Eero Ekman - Outokumpu Research Oy- Finland

“Organic” Growth of the Nifty Copper Operation Solvent Extraction Plant

By Kym Dudley and David Readett - Straits Resources Ltd
Michael Cudby - Straits Nifty Copper Operation and Tony Moore - AVECIA Metal Extraction Products - Australia
Brian Townsend - AVECIA Metal Extraction Products - UK

Functional Uses of Masonry and Membrane Systems for the Copper Processing Industries

By Robert E Aliasso, Jr., Thomas Crandall, David J Malone and Joe van der Merwe
- Stebbins Engineering & Manufacturing Company- USA, Stebbins Africa, Stebbins Australia

Day 2 - Programme
Friday 24th May 2002

Environmental

Alternative Treatment Methods for Copper-Containing Acid Mine Drainage

By William H Jay - Oretex Limited - Australia

Sarcheshmeh Leaching Copper and the Environment

By Moulaei Naşab Mehdi - National Iranian Copper- Iran

Treatment of Sulphide Concentrates & Ores

The Competitive Position of the Mt Gordon Copper Process in the Copper Industry

By David Dreisinger- University of British Columbia - Canada

Geoff Richmond - Western Metals Copper Limited Technical Services

Fred Hess and Thomas Lancaster - Western Metals Copper Ltd - Mt Gordon Operations - Australia

Process Optimisation and Cost Reduction at Western Metals - Mt Gordon

By Eve Kusinski and Thomas Lancaster - Western Metals Copper Limited - Mt Gordon Operations

Commercialization of the Acid Pressure Leaching of Chalcopyrite

By Roman Berezowsky and Lyle Trytten - Dynatec Corporation - Canada

Thermophilic Bioleaching of Chalcopyrite Concentrates with GEOCOAT ®Process

By Todd J Harvey - GeoBiotics, LLC - USA

Nick Holder and Tracey Stanek - Lakefield Research Africa (PTY) Ltd

Recent Pilot Plant Experience with CESL Pressure-Ox Process

By David Jones - CESL- Canada

The Intec Copper Process: Superior and Sustainable Metals Production

By J Moyes, D Sammut and F Houllis - Intec Ltd - Australia

The Anglo American Corporation/University of British Columbia (AAC/UBC) Chalcopyrite Copper Hydrometallurgy Process

By David Dreisinger - University of British Columbia - Canada

John Marsh - Anglo American Research Laboratories - South Africa

Paul Dempsey - Anglo American Base Metals - South Africa

Copper Solvent Extraction for Concentrate Leach Solutions

By Gary Kordosky - Cognis Corporation - USA

Copper Sulfide Hydrometallurgy: Review and Future Improvements

By Cesimiro P Fabian - Metals Electrodeposition Ltd

Courtney A Young and Hsin-Hsuin Huang - Metallurgical and Materials Engineering Montana Tech - USA

CESL process: Application to a bulk copper nickel concentrate.

By David Jones and Rachel Moore, CESL