

ALTA COPPER 2005 CONTENTS

Copper Trade Patterns Of Asia

Gary A. Campbell - Michigan Technological University – USA

Heap & Agitated Leaching

Things Learned in 35 Years of Leaching

W. Joseph Schlitt - Consulting Metallurgist, Hydrometallurgy - USA

The Metallurgical Development of the El Boleo Copper-Cobalt-Zinc Project

David Dreisinger, William Murray - Baja Mining Corp – Canada, Ken Baxter, Michael Holmes - Bateman Engineering Pty Ltd – Australia, Ron Molnar - SGS Lakefield Research - Canada

Development Strategies for Erdenet Copper Mine

Natsagdorj Gantumur - Erdenet Mining Co. – Mongolia, Ken Baxter - Bateman Engineering Pty Ltd - Australia

Bacterial Leaching of Chalcopyrite Ore from Erdenet Mining Company, Mongolia

Jason Fewings - BioHeap Ltd - Western Australia

Agglomeration Drum Selection And Design Process

Graeme Miller - Sinclair Knight Merz – Australia

Solvent Extraction, Electrowinning & Electrorefining

Using the Flexibility Of Copper Solvent Extraction Reagents and Plant Staging to Enhance Leaching and Electrowinning In Copper Leach / Solvent Extraction / Electrowinning Plants

Gary Kordosky - Cognis Corp. - USA

Regeneration of Ammoniacal Spent Etchant Liquors using LIX®84-I

Kym Dudley – Cognis Corp., Richard Shaw – Fenix Hydromet – Australia, Simon Kibble – Adchem - Australia

Recent Commercial Developments with Outokumpu's Tankhouse Technologies

Kristian Mattila - Outokumpu Technology – Finland, Mark Weatherseed - Outokumpu Technology - Australia

Refined Silver Production from Copper Electrorefining Slimes

N. N. Anisimova, G.P. Kotukhova, R.D. Shestakova, A.K. Ter-Oganesyants, E K. Khabirova - Norilsk Nickel Co. Polar Division, Mining-Metallurgical Research Centre – Russia

Hydromet Processes for Sulphide Concentrates

Removal of Arsenic, Tellurium and Selenium from Copper and Precious Metal Concentrates

Oscar Benavente, M.Cecilia Hernández - Universidad Católica del Norte – Chile, Juan Viñals, Antonio Roca - Universitat de Barcelona – Spain, Osvaldo Herreros - Universidad de Antofagasta - Chile

Commercialisation of the Geocoat® Bio-Oxidation Process

M. Bath, A. Norton - GeoBiotics, LLC – USA, M. Gunn - GeoBiotics, LLC - Australia

Fundamentals and Applications of Alkaline Sulfide Leaching and Recovery of Gold

Corby Anderson, Eric Dahlgren, Hsin Huang, Paul Miranda, Darby Stacey - The Center for Advanced Mineral and Metallurgical Processing, Montana Tech - USA

Hydrocopper® - A New Opportunity for Copper Producers

Liisa Haavanlammi, Olli Hyvärinen - Outokumpu Research Oy - Finland

Titanium Clad Ignition Studies in Simulated POX Environments

John Banker & Chad Toth – DMC Clad Metals - USA, Jim McMaster – MC Consulting - USA

On-Site Processing vs. Sale of Copper Concentrates

Glenn Bar, David Jones & Robert Mean – CESL - Canada

World Summit on SX Fire Protection

Engineering Design For Lowering Fire Risk

Graeme Miller - Miller Metallurgical Services & SKM Pty Limited - Australia

Static Electricity - A danger Inherent in the Solvent Extraction Process

Graham Hearn - Wolfson Electrostatics, University of Southampton – England, Paul Smithson - BHP Billiton Base Metals - Chile

Design of Copper SX Plants to Minimize Static and Other Fire Risks in the Light of Recent Industry Fires

Mal Jansen & Alan Taylor - IPDS - Australia

Solvent Extraction Plants – An Insurer’s Perspective

Brenton Smith - International Mining Industry Underwriters - UK

Using Principles of Inherent Safety for Design of Hydrometallurgical Solvent Extraction Plants

Larry J. Moore - FM Global - USA

Fire Hazards in Solvent Extraction Plant Design - Some Updates

Wayne Hopkins - Aker Kvaerner - Chile

Traditional Fire Systems for Extreme Fire Hazards

Roger Thomas – Wormald Tyco Fire and Security - Australia

Water Mist Fire Protection for Copper Solvent Process and Other Industrial Hazards

Kari Ukkonen - Marioff Corp. Oy - Finland

Copper SX Fire Hazard Management – The Phelps Dodge Experience

Tim Robinson - Phelps Dodge - USA