

CONTENTS

Conference Opening Address - Cobalt: Future Challenges

David Weight, Cobalt Development Institute, UK

Trends in Nickel-Cobalt Processing

Alan Taylor – ALTA Metallurgical Services - Australia

Identifying Opportunities to Reduce the Consumption of Energy Across Mineral Processing and Recovery Plants

David Stirling – Schneider Electric - Australia

Production of Nickel Pig Iron in China

Xian Jian Guo – Ramu NiCo (MCC) Ltd - China

Pressure Acid Leaching

The Mindoro Nickel Project HPAL Piloting and Process Development

Niels Verbaan and James Brown – SGS Minerals – Canada, Boyd Willis – Independent Consultant to Aker Solutions – Australia, and Debbie Marshall – Aker Metals - Canada

Manganese Removal from the Gladstone Leach Residue Slurry and Solution by Precipitation

W. Zhang, W. Wang, and Z. Zhu – CSIRO Minerals and P. Mason – Gladstone Pacific Nickel Ltd - Australia

Challenges of Material Selection for PAL Plants

Naresh Balakrishnan - Consultant – Australia

Controlled Rapid Autoclave Blowdown

Kevin Jackson – Mogas Industries – USA

Titanium: A Solution for Highly Corrosive Hydrometallurgical Applications- Alloy Selection, Cladding and Fabrication

John Banker – Dynamic Materials Corp. - USA and Bruce Craig – MetCorr – USA

Field Performance Review of Autoclave Valves

John Williams – Mogas Industries – USA

Benefits of TIMETA® PGMA™ in Nickel Laterite Refining

James Grauman and Eliana Fu – TIMET – USA and Ian Flower – Minara Resources Limited - Australia

Treatment of Sulphides

Engineering Aspects of the Platsol™ Process

Mike Wardell-Johnson and G Steiper – Bateman Engineering – Australia and D Dreisinger – PolyMet Mining - Canada

Nickel and Cobalt Recovery from Mesaba Concentrate

Keith Mayhew, Rob Mean, Lisa O'Connor and Trevor Williams – CESL - Canada

X-Ray Sorting and Other Techniques for Upgrading Nickel Ore

Allison Allen and Hilton Gordon – UltraSort - Australia

Process & Equipment Design

SO₂/Air Oxidation - An Engineering Perspective

Nitin Goel – GRD Minproc Ltd – Australia and Bill Bagulay – Mixtec - Australia

The Development of a DSX Process for the Recovery of Nickel and Cobalt from Laterite Leach Solutions - from Batch Tests to Pilot Plant Operation

C.Y. Cheng, W. Zhang, D.J. Robinson, Y. Pranolo, Z. Zhu, L. Zeng and W. Wang – CSIRO Minerals, and G. Boddy and M. Godfrey – Rio Tinto Technology and Innovation - Australia

Agitator Design for Large Scale Hindered Settling Slurry Tanks

Richard Kehn, Graham Seal, Robert Stewart and Bernd Gigas - SPX Process Equipment/ Lightning – Australia/USA

The Evolution of Thickeners

Ron Klepper – FLSmidth Minerals - USA

CONTENTS (CONT.)

Exploring Synergies in Western Australian Nickel Projects

Hermann Scriba, Sam Spencer and Jeff Connor – SNC-Lavalin Australia

Laterite Heap Leaching

Nickel Laterite Processing – A Shift Towards Heap Leaching.

Bruce Wedderburn – Malachite Consulting – Australia

The Development of Nickel Laterite Heap Leach Projects

Mark Steemson and Mark Smith - Vector Engineering, Ausenco Group – Australia/USA

Development of Heap Leaching and its Integration into the Murrin Murrin Operations

D.J. Readett and J. Fox - Minara Resources, Murrin Murrin Operations - Australia

Cobalt Extraction & Refining Symposium

The Use of Bioleaching for Cobalt/Arsenic Tailings Remediation in Ontario Canada

Paul Miller – BacTech Mining Corp. – Canada

The Application of Molecular Recognition Technology (MRT) in the Purification of Cobalt Process and Electrowinning Streams

Steven Izaat, Neil Izaat, Ronald Bruening and John Dale - IBC Advanced Technologies Inc. - USA

Design of Copper-Cobalt Hydrometallurgical Circuits

Graeme Miller – Miller Metallurgical Services Pty Ltd - Australia