

CONTENTS

<i>Treatment of Laterites</i>	Page
The Direct Nickel Process - Continued Progress on the Pathway to Commercialisation <i>Fiona McCarthy & Graham Brock, Direct Nickel Pty Ltd, Australia</i>	2
Recent Developments in the Chloride Processing of Nickel Laterites <i>Bryn Harris and Carl White, Neomet Technologies Inc., Canada</i>	12
Study of Certain Parameters in Laboratory-Scale Prereduction of Sivrihisar Laterite Ores of Turkey <i>Ender Keskinilic, Atilim University & Saeid Pournaderi, Ahmet Geveci & Yavuz A. Topkaya, Middle East Technical University, Turkey</i>	25
The Agata Nickel Project – Project Update, A Potential Low Cost Nickel Producer in the Surigao District of Northern Mindanao, the Philippines <i>Boyd Willis, Boyd Willis Hydromet Consulting, Australia & Jon Dugdale, Mindoro Resources, Australia & Tony Climie, Mindoro Resources, Philippines</i>	35
Why make MHP? <i>Tony Treasure & Harald Muller, Metals Finance Corp., Australia</i>	66
Chemical Aspects Of Mixed Nickel-Cobalt Hydroxide Precipitation and Refining <i>James Vaughan & William Hawker, University of Queensland, & David White, Metallurgical Consultant, Australia</i>	81
Sequential Leaching of Nickel Laterite Ores <i>Nicole Botsis & Helen Watling, Parker CRC for Integrated Hydrometallurgy Solutions, CSIRO Minerals Down Under Flagship & Wilhelm van Bronswijk, Curtin University, Australia</i>	92
Heap & Bioleaching	
Optimizing Nickel Laterite Agglomeration for Enhanced Heap Leaching <i>Jonas Addai-Mensah, Ishmael Quaicoe & Ataollah Nosrati, University of South Australia, George Franks & Liza Forbes, University of Melbourne, Lian Liu, University of Queensland, David J. Robinson & John Farrow, CSIRO Process Science and Engineering & Minerals Down Under National Research Flagship, Australian Minerals Research Centre, Australia</i>	108
Prophecy Resources Corp, Lynn Lake Nickel Project, Nickel Bioleach Development Mintek Laboratory Test Work Program Update <i>Andrew J. Carter, Tetrattech, UK</i>	123
Talvivaara Sotkamo Mine – Bioheapleaching of a Polymetallic Nickel Ore in Subarctic Conditions <i>Marja Riekkola-Vanhanen, Talvivaara Mining Company Ltd., Finland</i>	150
A Study into the Possible Application of BioHeap Technology to Forrestania <i>Jason Fewings, Western Areas NL, Australia</i>	164
Solid-Liquid Separation	
Novel Automatic Pressure Filter for Hydrometallurgical and Flotation Concentrate Dewatering Applications <i>Dustin Pepper & Patrick Jay, FLSmidth, USA</i>	182
SX/IX/EW	
Oxidation in Copper SX processes <i>Troy Bednarski, Matthew Soderstrom & Shane Wiggett, Cytec Industries, USA/Australia</i>	199
Manganese in SX/EW Plants <i>Gabriel Zarate, Anglo American, Chile</i>	209
Contamination Management in Solvent Extraction Plants <i>Graeme Miller, Miller Metallurgical Services, Australia</i>	218
Cyanex 272 Extraction Process Modelling Update <i>Matthew Soderstrom Cyril Bourget & Boban Jakovljevic, Cytec Industries, USA/Canada</i>	232
The Development of a New DSX Process for the Separation of Nickel and Cobalt from Iron and Aluminium and Other Impurities <i>C.Y. Cheng, Z. Zhu and Y. Pranolo, The Parker Centre, CSIRO Minerals Down Under National Research Flagship, Australia</i>	240
Selective Separations in the Cobalt, Uranium and Sulfuric Acid Industries <i>Steven R. Izatt, Neil E. Izatt, and Ronald L. Bruening, IBC Advanced Technologies Inc., USA</i>	253
Development of a Novel Smart Anode for Environmentally Friendly Electrowinning Process <i>Masatsugu Morimitsu, Doshisha University, Japan</i>	260
Development of Anode Bag Technology in Nickel Electrowinning <i>Ville Nieminen, Henri Virtanen & Eero Tuuppa, Outotec Oyj, & Noora Kaakkolammi & Rauno Luoma, Norilsk Nickel Harjavalta Oy, Finland</i>	266

Leaching of Sulphides	Page
Recovering Copper and Gold in Chloride System by Nikko Chloride Process <i>Kazuaki Takebayashi, Kazuhiro Hatano, Hiroshi Hosaka & Yoshifumi Abe, JX Nippon Mining and Metals Corporation, Japan</i>	277
Improving Cash Flow from Low Grade Nickel Concentrates <i>David Jones, Teck Resources Limited/ CESL, Canada</i>	292
New Projects	
Assarel Medet JSC Cu SX-TF-EW Project In Bulgaria <i>Hannu Laitala, & Marko Lampi, Outotec Oyj, Finland</i>	312
Lady Annie Operations – CST Restart 2010 <i>Anissa Horner, CST Minerals, Lady Annie, Australia</i>	321
Atmospheric Acid Leaching of Nkamouna Asbolinic Cobalt Concentrate with Pyrite as the Reductant <i>Herman Schwarzer, Alastair Holden & Brett Crossley, Lycopodium Minerals Pty Ltd, Australia & Roman Berezowsky, Geovic Cameroon, Canada & Brian Briggs, Geovic Mining Corp., USA</i>	351
Equipment & Materials	
A-Z of Autoclave Isolation <i>Pete Smith, Mogas Industries, USA</i>	371
High Pressure Autoclave Feeding at Maximum Solids Concentration and Efficiency <i>Heinz M. Naegel, FELUWA Pumpen GmbH, Germany</i>	392
Agitator Start-Up in Settled Bed Conditions <i>Jochen Jung and Wolfgang Keller, EKATO RMT GmbH, Germany</i>	404
Characteristics and Fabrication Quality Control of Large Pressure Leaching Autoclave <i>Hao Zhen-liang & Mao Lu-rong, Shanghai Morimatsu Pressure Vessel Co., Ltd, China</i>	414
Selecting Specialty Stainless Steel Grades for Sulphuric Acid Leaching Environments <i>Sophia Ekman, Outokumpu Stainless AB, Avesta Research Centre, Sweden</i>	422
PAL of Laterites Forum	
Murrin Murrin Operations - Past, Present and Future <i>Matt Brown, Minara Resources, Australia</i>	435
Coral Bay Nickel HPP-2 Project in Palawan, Philippines <i>Shinichiro Yumoto, Tozo Otani, Tadashi Nagai & Isao Ikeda, JGC Corporation, Japan</i>	500
Coral Bay Nickel HPAL Plant Expansion Project <i>James Elson Llerin, Isao Nishikawa & Munekazu Kawata, Coral Bay Nickel Corporation., Philippines</i>	511
Ramu Nickel Project Update <i>James Wang, Ramu NiCo Management (MCC) Ltd, PNG</i>	524
Carbon Friendly Nickel Processing and Pressure Acid Leaching: Reduced Carbon Emissions and More Efficient Acid Use for Higher Economic Returns <i>Simon Willis, Tim Newton, and Brett Muller, Simulus Engineers, Australia</i>	538
Additional Paper – Not Presented at Conference	
Recent Developments in Novel Phase Contacting Devices/Aspects for Hydrometallurgical Applications <i>Katragadda Sarveswara Rao, EEE, India</i>	546