Technical Program

The following papers will be presented throughout the program for Iron Ore 2002

Keynote Speakers
• Graeme Hunt – President, BHP Billiton Iron Ore, Australia
• David Smith – Managing Director, Hamersley Iron Pty Limited, Australia
• Prof Nic Boules – Department of Geology, Rand Afrikaans University, South Africa
• Dick Morris – Consultant, CSIRO Exploration and Mining, Australia

Papers
• Ore Mineralogy and its Relevance for the Selection of Concentration Methods in the Processing of Brazilian Iron Ores – R R R Silva, S C Amarante, C C Souza and A C Araujo
• The Influence of the Quality of Ferrosilicon on the Rheology of Dense Ore Slurry – H A Myburgh
• Strategic Planning for Iron Ore Mines According to Customer Needs – K Souza e Silva and F F S Araujo
• The Importance of Carbonate Alteration in the Formation of the Canjás High-Grade Hematite Deposits – S C Quevedo, C A C Varajão, P J Mienie and M Barber
• The Determination of Fe, Si and Al Content in Iron Ore Blast Holes by Nuclear Logging – M Bosaru, A Rojc, J Ronaszeki and C Smith
• Smart Solution to a Sticky Problem: In-Mine Clay Mapping Using High-Resolution Geophysics – G Burnham and P Hawke
• Of Detritals, Derivatives and Determination – An Example of Detrital Iron Discovery – A L Butt, P J Hawke and M F Flis
• The Systematic Assessment of Hydrocyclone Performance to Select an Optimisation Configuration for a Given Application – J J Campbell, Z Rui, J M Young, P T Nelson and J F M Clout
• A Geological Comparison of the Sishen and Welgevonden Iron Ore Deposits – M D Carney and P J Mennie
• Upgrading Processes in BIF-Hosted Iron Ore Deposits: Implications for Ore Genesis and Downstream Mineral Processing – J Clout
• Boodarie Iron Ore Preparation Plant: An Overview – C Bensley, D Evans and A Curtis
• BIF-Hosted High-Grade Hematite Deposits, A Coherent Group? – H Dalstra, M Coy, L T Harding, T Riggs and D Taylor
• Recovery of Iron Values From Tailings Dumps Adopting Hydrocyclone and Magnetic Separation Techniques – B Das, P S R Reddy and V N Misra
• Contract Versus Owner Mining – An Update on Australasian Open Pit Mining Practice – J S Dunlop
• High-Grade Optimisation and Improved Grade Control Practice in Mt Tom Price – R Bitencourt, J Gordon, B Morey and P Mackenzie
• Evolution of Iron Ore Characterisation Techniques – A North American Perspective – R G Graner and C R Sundberg
• Planning, Mining and Controlling Complex Iron Ore Flows From Multiple Sources: Replacing the Conventional Batch System in Favour of Continuous Stockpile Management and Ship Loading – M Kamperman, L Bevard and J E Everett
• The Measurement of Particulate Emission During the Sintering of Iron Ore – J S Khosa, J R Manuel and A G Trudu
• From Mt Goldsworthy to Mining Area C – Reflections on Forty Years of Iron Ore Exploration in the Pilbara – M Kneeshaw, A K Jouhari, I J Tehnas and M A Pudovskis
• How Different Iron Ore Types Behave in Desliming and Flotation Processes – N P Lima, G M A Silva and A E C Perris
• Integration of the Beneficiation Process Into Iron Ore Resource Utilisation – D J Miller
• The Influence of the Quality of Ferrosilicon on the Rheology of Dense Medium and the Ability to Reach Higher Densities – H A Myburgh
• Decision Making in Mining Project: Assessment of Risks and Uncertainties – R A Noronha and A H Gripp
• The Determination of Fe, Si and Al Content in Iron Ore Blast Holes by Nuclear Logging – M Bosaru, A Rojc, J Ronaszeki and C Smith
• Mining Reactive Shale at BHP Billiton’s Mt Whaleback Mine – Challenges and Solutions – P Waters
• Characterisation of the Contribution of Iron Ore Dust to the Environment at Port Hedland, Western Australia – M A Wells, E R Ramanaidu and M S Piggott
• Chemical Analysis Issues in the Iron Ore Industry – B W Ziegelaar
• Numerical Modelling of Deformation and Fluid Flow in the Hamersley Province, WA – With Implications For Genesis of Large Microphyt Hematite Ores – J G Mc Lelland and N H S Oliver
• Poster Papers – On display at Iron Ore 2002
• Latest Developments in Cyclone Technology – J Bosman
• Veining and Fluid Flow in the Area Surrounding the Mt Whaleback Microphyt Hematite Ore Deposit: Constraints on Fluid Dynamics Before, During and After Ore Genesis – M C Brown, N H S Oliver and G R Dickins
• Practical Implementation of Quantitative Criteria Used to Assist Resource Classification: A Case Study From the Joffre Hosted Iron Ore of BHP Billiton’s Mt Whaleback Operations – C Devitt
• Economic Modelling of Paved and Sealed Haul Roads in Open Cut Mines – RAW Haynes
• Use of Iron Oxide Bearing Wastes in Sinter Making – A K Jouhari, P S Datta and V N Misra
• A New Look at Old Rocks: The Origin of In Situ Iron Ore Deposits Derived From Banded Iron-Formation – D Lasocki
• Mapping Asbestos Distribution Using airborne Hyperspectral Data – C Ong, E Ramanaidu and M Hussey
• Supergene Iron Ore and Disorder – D T Ribeiro, F R M Pires and R M Carvalho
• Use of High Resolution Geophysical Technologies to Map the Base of Ore at BHP Billiton’s Yandi Channel Iron Deposit – G Turner and G Hall
• Bulk Density as a Method to Evaluate Reducibility of Hard Hematite Ore in DRI Process – C A C Varajão, R A Vilela, R J de Melo, A Bruand, E R Ramanaidu, R J Gilkes, L E Lageira
• Multistage Evolution of High Grade Hematite Orebodies from the Hamersley Province, Western Australia – A D Webb, N H S Oliver and G R Dickins