

**Teck Resources Poster Session & Social
(Monday, September 19, 15:45-18:30)**

THEME 1: Characterization and Uncertainty for Large Rock Slopes

Comparison of Borehole Discontinuity Data Collection Methods – Uncertainty and Quality Concerns

V. Kuppusamy, Colin Jermy (South Africa), C.P. Fietze, P. Hornsby

Assessment of Surface Roughness of Exposed Discontinuities

George Poropat (Australia)

Towards a Methodology for Characterising Intact Rock Bridges and Discontinuity Persistence in Large Open Pits

Zack Tuckey (Canada), D. Stead, M. Sturzenegger, D.Elmo

Photogrammetric Mapping and Assessment of Complex Structural Geology in the Design of Pit Walls; Superpit, Kalgoorlie

Simon Hewson (Australia), G. Bungard

Characterisation of Large Natural Rockslides Using Terrestrial Photogrammetry: Implications for Large Open Pits

Andrea Wolter (Canada), D. Stead, J.J. Clague

Geotechnical Characteristics of the African Copperbelt Saprolites and their Influence on Pit Slopes

C.P. Fietze, P.K.D. Hornsby, Colin Jermy (South Africa), V. Kuppusamy

Small Scale Open Pit Design with Limited Geotechnical Knowledge and Resources

L. van den Elzen, Alan Thompson (Australia)

Distinct Element Analyses for Calibration of Rock Slope Properties

Jaya Mylvaganam (Australia), N.R.P. Baczynski, I. de Bruyn, J. Price

Geotechnical Implications of Tropical Weathering Profiles in Iron Ore

Alice Jack (Australia)

THEME 2: Monitoring and Managing Slope Movements

Slope Monitoring and Back Analysis of the East Fault Failure, Bingham Canyon Mine, Utah

Jessica Doyle (USA), J.D. Reese

A New and Easy-to-Use Slope Radar Tool for Mine Production Crews

David Noon (Australia), P. Bellett, L. Campbell

IBIS-M, an Innovative Radar for Monitoring Slopes in Open-Pit Mines

Paolo Farina (Italy), L. Leoni, F. Babboni, F. Coppi, L. Mayer, P. Ricci

A Correlation of slope velocity and Factor of Safety at Mt Owen Mine

W. Bartlett (Australia)

Effective Use of Slope Stability Radar for Mine Slope Monitoring – Reference to Movement and Surveying Radar (MSR)

Stephen Osasan (South Africa)

Slope Stability Radar Monitoring of a Drape Meshed Pit Slope at Mogalakwena Platinum Mine, Limpopo, South Africa

David van Rensburg (South Africa)

A GIS Tool for Objective Suitability Evaluation of Differential Radar Interferometry Method for Deformation Monitoring of Landslides

Simon Plank (Germany), J. Singer, C. Minet, K. Thuro

The Aggenalm Landslide: First Findings of the Acquired Monitoring Data

Judith Festl (Germany), J. Singer, K. Thuro

THEME 3: Rock Slope Failure Mechanisms

Mining Open Pit Through the Sishen Cave

Marnus Bester (South Africa), G.M. Mc Gavigan

Open Pit Mining Through a River Sand in a Subarctic Climate Using a Mechanically Stabilized Earth Wall

Marc Rougier (Canada), P. Merry, L. Castro

The Influence of Horizontal Stress on the Failure Mechanism and Slope Stability in Chador-Malu Iron Open Pit Mine

Reza Noorani (Iran), K. Ahangari, S. Aloodari

The Role of Bedding Planes in Guadalquivir Blue Marls on the Slope Stability in Cobre Las Cruces Open Pit

S. Cooper, C. Perez, L. Vega, Jose Galera (Spain), V. Pozo

Determination of Shear Strength Parameters for Foliated Rock Masses

Sanjive Narendranathan (Australia)

Sandbox Simulation of Slope Failure Mechanisms With 3D Digitizer

D. Carrea, A. Abellán, J. Bechet, M.-H. Derron, J. Duc, Michel Jaboyedoff (Switzerland), A. Pedrazzini

Load Increasing Method for Analysis of Slope Earthquake Stability

Hardy Sun (China), T. Zhao, C. Li, Y. Liu

THEME 4: Slope Analysis, Performance and Optimization

Three-Dimensional Limit Equilibrium Slope Stability Benchmarking

Murray Fredlund (Canada), H.H. Lu, D. Fredlund

Limit Analysis of Seismic Slope Stability Based on Tension-Shear Failure Mechanism

Yingbin Zhang (Japan), G. Chen, K. Zen, K. Kasama, S. Dong

A New Approach to Assess Open Pit Slope Stability

G. Dempers, C.R.W. Seymour, Peter Jenkins (Australia)

Stability Analysis of a Large Fractured Rock Slope Using a DFN-Based Mass Strength Approach

Tom Styles (UK), J.S. Coggan, R.J. Pine

Slope Optimization for the Hypogene Project at Carmen de Andacollo Pit, Chile

Esteban Hormazabal (Chile), M. Tapia, R. Fuenzalida, G. Zúñiga

Slope Stability Study of the Main Pit Footwall, Koolan Island, Mt Gibson Iron

J.J. Jiang, Phil Dight (Australia), K. Pano

Assessment, Monitoring and Ground Control Management of Rock Slope Stability at the Red Dog Open Pit Mine

Sonia D'Ambra (Canada)

THEME 5: Stabilization and Protection

The Assessment of the Cover Requirement for a Buried Penstock Affected by a Rockfall Hazard

James Haley (Canada), P.B. Kimball

Rockfall Hazard Analyses and Rockfall Protection along the Adriatic Coast of Croatia

Zeljko Arbanas (Croatia), D. Udovič, M. Grošić, S. Mihalić

Possibilities and Limitations of 2D & 3D Rockfall Modeling – Finding an Optimal Way for Integrating Protection Systems

Bettina Sellmeier (Germany), K. Thuro

Remedial Measures for the Restoration of an Extensive Rock Slope Failure at the Right Abutment of the Thisavros Dam, Nestos River, Greece

Constantinos Loupasakis (Greece), Dimitrios Rozos (Greece), A. Georgakopoulos

Design, Implementation and Monitoring of Novel Rehabilitation Measures in an Open Pit Gold Mine

P.R. O'Bryan, E.A. Deligeorges, Alan Thompson (Australia), P. Hucker

Optimal Dip Angle for Cablebolting in Open Pits

Pedro Valenzuela (Australia)