2020 International Symposium on Slope Stability in Open Pit Mining and Civil Engineering

ONLINE EVENT

12–14 May 2020

In light of the rapidly developing Covid-19 situation in Australia, and in the best interest of public health and the global mining community, the ACG 2020 International Slope Stability on Slope Stability in Open Pit Mining and Civil Engineering, scheduled to take place from 12 – 14 May 2020, will no longer be held onsite at the Hyatt Hotel Perth, Western Australia. Instead, the Slope Stability 2020 Symposium programme will be delivered to symposium delegates via online media facilities. This will enable the delegates to access more than 35 hours worth of programme content detailing the latest in best practice, with respect to pit slope investigations, design, implementation and performance monitoring, in a safe environment that is not a mass gathering.

SYMPOSIUM CHAIR

Professor Phil Dight
Professor of Geotechnical Engineering
Australian Centre for Geomechanics
The University of Western Australia, Australia

KEYNOTE SPEAKERS

Carolina Ahumada
Principal Water Management
BHP
Title: BHP’s mine water management integrated approach to manage risk and optimise resource value

Robert Sharon
Director, Sharon Geotechnical LLC
Principal Geotechnical Consultant, Piteau Associates USA
Title: Slope performance monitoring – system design, implementation and quality assurance

Dr John Simmons
Principal
Sherwood Geotechnical & Research Services
Title: Geomechanics of Australian open cut coal mining

Tim Sullivan
Principal
PSM
Title: Hydromechanical coupling concepts for mine slopes

Due to the current global situation with COVID-19, Slope Stability 2020 content will now be delivered in an online format for the health and safety of all involved. Please check www.slopestability2020.com for updates as details are confirmed.

www.slopestability2020.com
KEYNOTE PAPERS

BHP’s Mine Water Management integrated approach to manage risk and optimise resource value C Ahumada Calderon, BHP, Australia

Slope performance monitoring: system design, implementation and quality assurance R Sharon, Sharon Geotechnical LLC, USA

Geomechanics of Australian open cut coal mining J Simons, Sherwood Geotechnical and Research Services, Australia

Hydromechanical coupling concepts for mine slopes T Sullivan, PSM, Australia

SAFETY AND RISK MANAGEMENT

Risk-based slope monitoring framework J Armstrong, Nevada Gold Mines, USA; R Sharon, Piteau Associates Ltd., USA; C Williams, B Ross, Geotechnical Center of Excellence, University of Arizona, USA

Practical waste rock dump and stockpile management in high rainfall and seismic regions of Papua New Guinea N Bar, Geoko Geotechnics, Australia; J Semi, M Koek, Ok Tedi Mining Limited, Papua New Guinea; G Owusu-Bempah, A Day, Harmony Gold, Papua New Guinea; S Nicoll, J Bu, Newcrest Mining Limited, Papua New Guinea

Downhole monitoring with enhanced network smart markers in an open pit T Beineissenger, R Yost, Teck Resources Ltd., Canada; S Steffen, D Whiteman, Elekson Mining, Australia; A Thomas, M Royle, SRK Consulting Inc., Canada; E Wldzyk-Capehart, University of Chile, Chile

Risk management and alarming based on a new atmospheric correction algorithm for ground-based radars A Cabrejo, GroundProbe North America, USA; P Bollett, G Stickley, GroundProbe Pty Ltd, Australia; Y Gunaris, Compañía Minera Doña Inés de Collahuasi, Chile; J Perez, Compañía Minera Doña Inés de Collahuasi, Chile

Trigger action response plan development and optimisation: case studies from the Bingham Canyon Mine GK Chapin, KM Bakken, MG Abrahams, Rio Tinto Kennecott Copper, USA

The strain criteria formula: the derivation of indicative displacement alarm thresholds for slope performance and instability monitoring S Coetsee, Reutech Mining, South Africa; R Armstrong, P Terbrugge, SRK Consulting (South Africa) (Pty) Ltd, South Africa

Implications of slope damage in engineered slopes and open pit mines D Donati, D Stead, Simon Fraser University, Canada; D Elmo, University of British Columbia, Canada; E Onsel, Simon Fraser University, Canada

The safest way to increase overall pitwall slope SP Durkin, BT Moore, Safescape, Australia

Exploitation of InSAR techniques combined with in situ sensors to improve safety and productivity in mining operations J Duro, R Iglesias, D Monells, R Calvo, DARES Technology, Spain

Development of an early warning system for shallow landslide hazard in the Tembagapura area, Indonesia P Farina, Geoapp s.r.l., Italy; F Catani, A Rosi, Geoapp s.r.l., Italy & University of Florence, Italy; I Setiawan, A Junaidi, K Afrizal, A Wijayanto, PT Freeport Indonesia, Indonesia

Brumadinho Dam InSAR study: analysis of TerraSAR-X, COSMOSkyMed & Sentinel-1 SAR images preceding the collapse D Holden, S Donegan, A Pon, 3vGeomatics Inc., Canada

InSAR investigation of sackung-like features and debris flows in the vicinity of Hawkesbury Island and Hartley Bay, British Columbia, Canada: reducing landslide and tsunami risks for coastal communities and vulnerable infrastructure D Huntley, D Rotheram-Clarke, P Bobrowsky, G Lintern, R MacLeod, C Brillon, Geological Survey of Canada, Canada

Evolution and management of large-scale instability: a case study from Ok Tedi G Kennedy, D Casagrande, PSM, Australia

Use of laser scanner technology as part of the slope stability risk management strategy at Letšeng Diamond Mine N Lefu, Letšeng Diamonds, Lesotho; V Nokwe, Maptek, South Africa

InSAR in the clouds: satellite-based monitoring at Grasberg Mine J Leighton, 3vGeomatics Inc., Canada; M Sullivan, Freeport McMoran, Indonesia

Regulation of open pit slope stability in Russia A Makarov, I Livinsky, V Spirin, SRK Consulting (Russia) Ltd, Russia; A Pavlovich, Saint-Petersburg Mining University, Russia

Management of geotechnical hazards through embracing technology and innovative thinking KT Mandsioza, Evolution Mining, Australia

Slope monitoring at the Serra Sul Iron Ore Project, S11D: a case study F Moragas, E Friguetto, WJ Souza, AHCR Castro, Vale S.A., Brazil

Waterproofing and slope protection in landfills and reservoirs D Romeo, Officine Maccaferri S.p.A., Italy; RR Mahajan, Maccaferri S.P.A. Asia, India

Managing ice walls and other operational challenges while optimising Victor Mine last stage operations M Rougier, Golden, Canada; P de Graaf, The De Beers Group of Companies, South Africa; M Desjardins, The De Beers Group of Companies, Canada; M O’Leary, Mount Polley Mining Corporation, Canada; N Yugo, Independent Consultant, South Africa

Characterisation of a rock slope showing three weather-dominated failure modes M Roustaie, R Macciotta, M Hendry, J Rodriguez, University of Alberta, Canada; C Gräpel, Kohn Crippen Berger, Canada; R Skinrow, Alberta Transportation, Canada

i2MON: integrated monitoring for the detection of ground and surface displacements caused by coal mining D Schröder, K Zimmermann, S Bock, DMT GmbH & Co. KG, Germany; J Klonowski, University of Applied Sciences, Germany

Analysis of velocity and acceleration trends using slope stability radars to identify failure signatures to better inform trigger action response plans R Shellam, SRK Consulting (UK) Limited, UK; J Coggan, University of Exeter, UK

Economic consequences of geotechnical instabilities in open cut coal mines K Young, A Robotham, G Virk, BHP, Australia

ASESSMENT AND IMPLICATIONS FOR UNCERTAINTY IN DESIGN

Increasing the reliability of mining plans by predicting geotechnical instabilities with structural control: Case study at a BHP mine, northern Chile C Roa, J Calderón, BHP, Chile; R Castellón, M Vargas, TiMIning, Chile

An overview of bench design for cut slopes: a methodology for assigning nominal and static shear strength parameters to attain dynamic factor of safety and probability of failure values for advanced dataset assessment S Coetsee, Reutech Mining, South Africa

Top rock mass strength in footwall failures A Duran, PSM, Australia; D Cardona Lopez, Prodeca, Colombia

BHP Western Australia iron ore geotechnical open cut slope design system: a simple pragmatic process for slope risk decisions A Haile, D Ross, A Maldonado, M Neyaz, C Rajbhandari, BHP, Australia

Three-dimensional limit equilibrium method rock slope stability analysis using generalised anisotropic material model NS Kumar, MAM Ismail, Universiti Sains Malaysia, Malaysia

Epistemic uncertainty propagation in slope stability analysis and implications in safety margins CE Valderrama, M Cofré, E Hormazábal, R Álvarez, SRK Consulting (Chile) S.A., Chile

www.slopestability2020.com
Accepted Papers*

PROCESSING AND GEOTECHNICAL DATA AND LIMIT DESIGN

Influence of the hydrothermal alteration rocks on the stability of an open pit mine, south of Peru: a case study S Castro, C Huanan, Andées Associates, Peru
Case study: analysis of a highwall toppling failure and development of a successful mine re-entry plan using RS2, RocFall and Dan-W at a coal mine in Canada C Clayton, A Jackson, J Price, Tetra Tech Canada Inc., Canada; A Bidwell, Teck Coal Ltd., Canada; D Elmo, University of British Columbia, Canada
Bayesian approach for the assessment of sufficiency of geotechnical data L-F Contreras, The University of Queensland, Australia & SRK Consulting (South Africa) (Pty Ltd), South Africa; M Serati, D Williams, The University of Queensland, Australia
Tools for validating and creating reliable fault models J Danielson, D Kinakin, I Stillwell, BGC Engineering Inc., Canada
Waste rock characterisation and stability assessments for feasibility level studies J Dixon, D Dwumfour, Fortescue Metals Group, Australia; J Mylvaganam, SRK Consulting (Australia) Pty Ltd, Australia
Geotechnical evaluation of east wall of Cerro Corona’s open pit J Dueñas, G Becerra, J Ordoñez, Gold Fields, Peru; PG Andrews, Gold Fields Australia Pty Ltd, Australia
Mechanical and physical properties of chalk and impacts on slope designs P Ebeling, Holcim Technology Ltd, Switzerland; A Iwanoff, BGW Geotechnik GmbH, Germany
Disrupting rock engineering concepts: is there such a thing as a rock mass digital twin and are machines capable of learning rock mechanics? D Elmo, University of British Columbia, Canada; D Stead, Simon Fraser University, Canada
Combining structural data with monitoring data in open pit mines to interpret the failure mechanism and calibrate radars P Farina, F Bardi, Geopapp s.r.l., Italy; L Lombardi, G Gigli, University of Florence, Italy
The effect of anisotropy orientation on the sedimentary rock strength estimated by point load testing strength, Pilbara, Australia X Gao, Rio Tinto Iron Ore, Australia
Utilising data science to test similarity of rock mass unit strength distributions in the Pilbara L J Hayman, Rio Tinto Iron Ore, Australia
Influence of particle size-shape correlation on the shear strength of scaled samples of coarse mine waste S Linero, University of Newcastle & SRK Consulting (Australasia) Pty Ltd, Australia; S Fittus, University of Newcastle, Australia; J Simmons, Sherwood Geotechnical and Research Services, Australia; A Zaza, University of Montpellier, France; N Estrada, University of Los Andes, Colombia; J Dixon, Fortescue Metals Group, Australia
The intact rock strength of anisotropic rocks in the Pilbara: the use of field estimates, practical limitations of calibrations and statistical bias A Maldonado, PM Dight, Australian Centre for Geomechanics and The University of Western Australia, Australia; K Mercer, 3rd Rock Consulting, Australia
The shear strength of bedding partings in shafts in the Pilbara: the similarity of non-dilatation angles and spectral mineralogy relationships A Maldonado, PM Dight, Australian Centre for Geomechanics and The University of Western Australia, Australia
Assisting better decision-making of geotechnical slope design using in-house technology software at BHP Iron Ore A Maldonado, A Haile, C Meegamarachchi, L Sasmita, BHP, Australia
Capturing/interpreting non-obvious slope controlling structures JI Mathis, Zsoťstrich Geotechnical, USA
Post-blast slope stability monitoring with slope stability radar P Saunders, GroundProbe Pty Ltd, Australia; JM Kabuya, ArcelorMittal, Canada; A Torres, GroundProbe, USA; R Simon, École Polytechnique de Montréal, Canada
Introducing G.R.E.T.A.: the new Geo RESistivimeter for Time-Lapse Analysis G Tresoldi, Politecnico di Milano, Italy; A Hujat, Shahid Bahonar University of Kerman, Iran; L Zanzi, Politecnico di Milano, Italy; A Certo, LSI Lastem s.r.l, Italy
Evolution of a geotechnical model for slope design in an active volcanic environment FM Weir, MJ Fowler, TD Sullivan, M Kobler, PSM, Australia
Geotechnical data aggregation and visualisation supporting informed risk management: the one stop geotech shop SDN Wassells, R Dixon, Rio Tinto Iron Ore, Australia

NUMERICAL ANALYSIS, IN SITU STRESS AND DISPLACEMENT DESIGN OF SLOPES

Directional Hoek-Brown rock mass strength: GSI adjustment NRP Baczynski, Prime Geotechnics Pty Ltd, Australia
Computational tools for the estimation of factor of safety and location of the critical failure surface for slopes in rock masses that satisfy the Hoek-Brown failure criterion C Carranza-Torres, Department of Civil Engineering, University of Minnesota, USA; E Hormazabal, SRK Consulting (Chile) S.A., Chile
Case study: back-analysis of a historical op highwall failure at a coal mine in Canada C Clayton, R Barnett, Tetra Tech Canada Inc., Canada; M Slater, Teck Coal Ltd., Canada
Automated geo-localised identification of polyhedral blocks and their safety factor calculation in open pit mining F González, A Calderón, Antofagasta Minerals, Chile; R Castellón, M Vargas, C Mena, L Orellana, S Wiche, C Calderón, TImining, Chile
Validation of the improved unified constitutive model for open pit applications A Ford, D Lucas, A Vakili, Mining One Pty Ltd, Australia
Hybrid design approaches for anchored wire meshes: a simplified two block method for steep slopes A Galli, Politecnico di Milano, Italy; M Deana, Officine Maccaferri S.p.A., Italy; N Mazzon, Maccarferri Innovation Centre, Italy
Numerical modelling of underground and open pit interaction in a gold mine K He, G Swarbrick, T Sullivan, PSM, Australia
Steep wall mining: engineered structures used in the management of rockfall hazards at Kamtamto Copper Mine BJ Hutchison, Hillgrove Resources Ltd, Australia; AT Morrison, Geobrugg Australia Pty Ltd, Australia; DS Lucas, Mining One Pty Ltd, Australia
Numerical back-analysis of highwall instability in an open pit: a case study JM Kabuya, R Simon, École Polytechnique de Montréal, Canada; J Carvalho, D Haviland, Golder, Canada
Validation of the improved unified constitutive model for open pit applications A Ford, D Lucas, A Vakili, Mining One Pty Ltd, Australia
Hybrid design approaches for anchored wire meshes: a simplified two block method for steep slopes A Galli, Politecnico di Milano, Italy; M Deana, Officine Maccaferri S.p.A., Italy; N Mazzon, Maccarferri Innovation Centre, Italy
Steep wall mining: engineered structures used in the management of rockfall hazards at Kamtamto Copper Mine BJ Hutchison, Hillgrove Resources Ltd, Australia; AT Morrison, Geobrugg Australia Pty Ltd, Australia; DS Lucas, Mining One Pty Ltd, Australia
Numerical back-analysis of highwall instability in an open pit: a case study JM Kabuya, R Simon, École Polytechnique de Montréal, Canada; J Carvalho, D Haviland, Golder, Canada
Use of discrete fracture networks in three-dimensional numerical modelling for stability analysis in open pit mining E Montiel, P Varona, Geocentro Mineria, Chile; C Fernandez, Z Espinoza, Antofagasta Minerals, Chile
A case study: assessing the impacts of open cut coal mining on the Maryvale Field (Yallourn) open cut and Morwell River diversion through the use of finite element modelling S Narendranathan, J Stipcevich, GHD Pty Ltd Australia, Australia; S Ristogi, EnergyAustralia, Australia
Back-analysis of in-pit dump slope failure and remediation results at Bara Anugrah Sejahtera open pit coal mine, Indonesia L Rachmad, D Aryanda, GEOMINE Mining and Geotechnical Consultant, Indonesia; M Daroji, Titan Group, Indonesia
Engineering geology investigation and numerical modelling design of the Ramp 12 Highwall B Roache, Mining One Consultants Pty Ltd, Australia; AR Johnstone, BHP, Australia

www.slopestability2020.com

*Accepted papers list is subject to change and does not guarantee inclusion in the symposium programme. Please check www.slopestability2020.com for updates
A new approach to simulate the dynamic response of chain-link drapery systems
S Tahmasbi, A Giacomini, University of Newcastle, Australia; R Bucher, Geobrugg Australia Pty Ltd, Australia; O Buzzi, University of Newcastle, Australia

Modelled versus observed open cut performance in weak transition rock: the Dubbo Quarry case study
D Trani, GHD Pty Ltd, Australia and University of Wollongong, Australia; J Hellmuth, J Thompson, GHD Pty Ltd, Australia

SlopeX: a plug-in to simplify and fast-track advanced numerical modelling for open pit applications
A Vakili, Cavroc Pty Ltd, Australia; J Watson, Cavroc Pty Ltd, Canada; A Vakili, Cavroc Pty Ltd, Australia; T Styles, Cavroc Pty Ltd, UK

Discrete fracture network based approaches to assessing inter-ramp design M Valero, S Rogers, Golder, Canada; KP Lawrence, KM Moffitt, Golder, USA; B Ryndahl, M Gaída, Rino Tinto Kennecott Copper, USA

Slope performance monitoring and management of a pit wall experiencing large-scale deformations near Kalgoorlie, WA, JW Watton, MJ Fowler, PSM, Australia

Understanding the sensitivity of numerical slope stability analyses to geotechnical and other input parameters
DR Wines, Itasca Australia Pty Ltd, Australia

OPEN PIT/UNDERGROUND INTERACTION

Considerations for open pit underground transition-interaction
ECF Hamman, M Cowan, J Venter, JB de Souza, AngloGold Ashanti, Australia

SURFACE WATER AND GROUNDWATER MANAGEMENT, DEPRESSURISATION, MONITORING AND REMEDIATION

A methodology for assessing rainfall-induced pore pressure changes in open pit slopes
J Bellin, M Raynor, R Kettle, SRK Consulting UK Ltd, UK; K Tasoren, IAMGOLD Corporation, Suriname

Anglo American framework for strategic dewatering plans
C Cintolei, Anglo American, Chile; G Beale, Piteau Associates, UK; J Dowling, Piteau Associates, USA; J Kotze, Anglo American, South Africa; A Rowland, Piteau Associates, South Africa; S Mansell, Piteau Associates, Chile

Advanced three-dimensional geomechanical and hydrogeological modelling for a deep open pit
L Cotaesta, Vale, Canada; J Xiang, Itasca Denver Inc., USA; B Paudel, Vale, Canada; R Sterrett, Itasca Denver Inc., USA; J Sjöberg, Itasca Consultants AB, Sweden; T Dilou, I Vasiliev, Z Yalamanov, Elatizite-Med AD, Bulgaria

Monitoring and managing large deformation pit slope instabilities at a British Columbia open pit copper mine
G Dick, BGC Engineering Inc., Canada; S Nuno, S Smith, Gibraltar Mines Ltd., Canada; D Kinakin, I Stillwell, W Newcomen, J Danielson, BGC Engineering Inc., Canada

Development of an integrated workflow for pit slope pore pressure reconciliation
J Dowling, G Beale, P Haas, B Kaya, Piteau Associates, USA; LC Tejada, K Cramer, J Johnson, RE Zea, C Palmer, Freeport McMoRan, USA

Pit dewatering optimisation of a 3D FEFLOW unstructured groundwater model at geologically complex Antamina mine site in Peru
RM Dufour, DHI Peru SAC & University of Neuchâtel, Peru; CF Aguirre, M Sanchez, Antamina, Peru; A Maqueda, University of Neuchâtel, Switzerland; JM Zwinger, A Renz, DHI, Germany; J Cho, Independent Consultant, Canada

Simulating fracture network permeability in brown coal slopes
R Hu, SDC Walsh, Monash University, Australia

Elimination of structure controlled highwall failures at an open cut coal mine
J Li, BHP, Australia

Between a rock and a hard place
PJ Lombard, GHD Pty Ltd, Australia

Three-dimensional slope stability modelling and its interoperability with interferometric radar data to improve geotechnical design
A McQuillin, T Yacoub, Rocscience Inc., Canada; N Bar, Gecko Geotechnics, Australia; N Coli, L Leoni, IDS GeoRadar, Italy; S Rea, J Bu, Newcrest Mining Limited, Papua New Guinea

Cockatoo Island: pit dewatering and wall depressurisation behind critical seawall infrastructure
C Powell, Geomech Consulting Services, Australia; J Hall, AQ2 Pty Ltd, Australia

A review of vibrating wire piezometer usage in ultra-low permeability and heterogenous fractured rock environments
M Raynor, L Sultanov, H El Idrysy, SRK Consulting, United Kingdom

Development of a mine dewatering and pit slope depressurisation review process
E Reano, Piteau Associates, Peru; G Beale, Piteau Associates, UK; J Dowling, Piteau Associates, USA; LC Tejada, Freeport McMoRan, USA

Outcomes of an aquifer assessment on the M1B aquifer ahead of Loy Yang Mine, and considerations for future dewatering/depressurisation
R Turnbull, G Foley, GHD Pty Ltd, Australia; J Missen, AGL, Australia

ROCKFALL ANALYSIS AND CONTROL

Scaling the heights: developing a remote highwall scaling machine for use at the Savage River Mine
M5 Anderson, Grange Resources, Australia; C Johnson, Jayben, Australia

Risk analysis affectation to people and/or equipment due to rockfall
EG Bermado, MM Schellman, DC Diaz, Anglo American, Chile

Blue water ramp access recovery affected by rockfall
DC Diaz, EG Bermado, MM Schellman, Anglo American, Chile

Reinforced soil bund as passive protection structures: the New Zealand experience
E Ewe, Geofabrics NZ Ltd, New Zealand

Analysis of the effect of backbreak on rockfall trajectories
I Garcia, SRK Consulting (UK) Pty Ltd, UK; S Pastine, SRK Consulting (Argentina) S.A., Argentina

Slope design and control of rockfall hazards in a challenging structural setting at the Kanmantoo copper mine, South Australia
DS Lucas, A Vakili, Mining One Consultants Pty Ltd, Australia; BJ Hutchinson, Hillgrove Resources Ltd, Australia

Calibration of a rockfall simulator with a fragmentation model in a real scale test
G Matas, N Lantada, J Corominas, R Ruiz-Carulla, A Prades, J Gili, Universitat Politecnica de Catalunya, Spain

RockSpot: a new radar-based method for detecting and tracking rockfall in open pit mines
A Michelini, F Viviani, M Bianchetti, N Coli, L Leoni, IDS GeoRadar, Italy; CJ Stoka, IDS GeoRadar, USA

On the use of acoustic records for the automatic detection and early warning of rockfalls
G Ulivieri, S Vezzosi, Geco s.r.l., Italy; P Farina, GeopreventAG, Switzerland

A practical rockfall risk model for open pit mines using the space-time concept
J Venter, ECF Hamman, AngloGold Ashanti, Australia

Runout of open pit slope failures: an update
J Whitall, BGC Engineering Inc., Canada; A Mitchell, S McDougall, University of British Columbia, Canada

SLOPE STABILITY IN UNSATURATED MATERIALS

Slope stabilisation of steep overburden dumps with significant height in Singrauli coal mines of India: a case study
MR Madhav, JNT University, India; M Korulla, RR Mahajan, Maccafferri Environmental Solutions Pvt. Ltd., India

www.slopestability2020.com
The 2020 International Symposium on Slope Stability in Open Pit Mining and Civil Engineering Online Event will be hosted on the Intrado virtual event platform, offering delegates an exciting and visually appealing attendee experience, and sponsors the ability to showcase their products and services, as well as interact and network within virtual exhibition booths.

To learn more, and to register for the online event, visit www.slopestability2020.com

Please note that due to the current global situation with COVID-19, Slope Stability 2020 associated events, are now cancelled or postponed. This includes:

- Symposium Dinner - Cancelled
- Newmont Boddington Site Visit - Cancelled
- Instrumentation and Slope Monitoring Workshop - Postponed to October 2021
- Risk-Based Design and Management of Open Pit Slopes Workshop - Postponed to October 2021

Please check www.slopestability2020.com for updates as details are confirmed.
IMPORTANT NOTE
SS 2020 Online Event speakers please do not fill out this form. Speakers will be contacted by the ACG and advised how to register. The speaker registration fee for the SS 2020 Online Event is AUD550.

Register online at slopestability2020.com/product/slope-stability-2020-symposium-registration/

CONTACT DETAILS

Please print. *denotes mandatory fields.

*Title (Mr, Mrs, Miss, Ms, Dr, Prof., Other) ________________________________

*Family Name ____________________________________________________________

*First Name _____________________________________________________________

Preferred Name _________________________________________________________

*Position ________________________________________________________________

*Organisation ____________________________________________________________

*Mine/Dept ______________________________________________________________

*Address ________________________________________________________________

_______________________________________________________________________

Phone _________________________________________________________________

Mobile _________________________________________________________________

*Email _________________________________________________________________

*All confirmations/event updates will be sent via email. This email address will be what is used to login to the Online Event.

Registrant contact details are intended to be published in the events authorised attendee list made available to event attendees, sponsors and exhibitors, who may contact you, including electronically, in the promotion of their products and services.

☐ I give permission for my details to be included in the SS 2020 Online Event attendee list.

☐ I give permission for the ACG to forward me ACG research, training and/or education information advice, including electronic communications.

☐ I give permission for the ACG to forward my contact details to Intrado in order to finalise my registration to the Online Event. To read Intrado’s Privacy Policy, visit https://www.west.com/legal-privacy/

SS 2020 Online Event | 12-14 May 2020

<table>
<thead>
<tr>
<th>Delegate Registration</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard</td>
<td>☐ 770</td>
</tr>
<tr>
<td>Student</td>
<td>☐ 220</td>
</tr>
</tbody>
</table>

^ Students MUST provide proof of full-time enrolment with registration due to the short lead time.

All registrations will receive a link to login to the Online Event using their registered name and email address. Symposium papers will be accessible at https://papers.acg.uwa.edu.au from 4 May 2020. If you would like a printed copy of the proceedings, please tick the box below and send to the ACG before 15 April 2020.

SS 2020 Printed Proceedings (Softbound, colour) ☐ 220

DELEGATE CANCELLATIONS
Due to the short lead time, there will be no refunds available for cancellations, unless the ACG cancels the Online Event. The ACG reserves the right to cancel, change or postpone the Online Event.

PAYMENT

Total payment AUD ________________________

Payment to be received by 8 May 2020. All bank fees are the responsibility of the registrant. All prices include GST. ABN 37 882 817 280

PAYMENT OPTIONS

☐ Credit Card

Register online at http://www.slopestability2020.com/product/slope-stability-2020-symposium-registration/ or alternatively, return this completed form to info-acg@uwa.edu.au and phone us on +61 8 6488 3300 to make payment (Visa and Mastercard are the only cards we accept).

☐ Electronic Funds Transfer (EFT)

Please return this completed form to info-acg@uwa.edu.au and the ACG will send you an invoice with EFT details included. PO# (if required) ________________________

How to register: Australian Centre for Geomechanics
The University of Western Australia
35 Stirling Highway (M600)
Crawley WA 6009