EAGCG

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Eastern Australia Ground Control Group

EAGCG Workshop Brisbane Program – New Technology "Getting Smarter in These Challenging Times"

Thursday 13th October 2016   This day contributes to 7 hours of CPD points

8:00	8:30	**Welcome Coffee and Tea**		
8:30	**10:00**	**Session 1**	**Tony Meyers**	
8:30	8:40	Meeting Opening		
8:40	9:00	Harry Asche	Aurecon Jacobs	TBM for Mine Declines
9:00	9:20	Penny Stewart	Petradatascience	Machine Learning for Geotechnical Engineering
9:20	9:40	Delia Sidea	Pitt & Sherry	Enhancing Shaft Empirical Design – Laser Scans and High Definition Camera Surveys
9:40	10:00	Sam Thomas	MMG	Borehole Camera for Rehab Assessment
10:00	**10:30**	**Morning Tea**		
10:30	**12:30**	**Session 2**	**Jeremy Doolan**	
10:30	11:30	Erik Eberhardt	**KEYNOTE**	Transitioning from Open Pit to Underground Mass Mining
11:30	11:50	Adrienna Brown	Thiess	Unmanned Aerial Vehicle use for Photogrammetry of Sub-Vertical Highwall Faces and Geotechnical Structural Characterisation
11:50	12:10	Christian Holland	Scuttles	"It's a Chart Jim But Not as We Know It"
12:10	12:30	Steven Micklethwaite	Monash University	Drone Technology and Applications to Geotechnical Problems
12:30	**13:20**	**Lunch**		
13:20	**15:00**	**Session 3**	**Jacqui Purcell**	
13:20	13:40	Phillip McClelland	Ultramag	Four Distruptive Exploration Technologies
13:40	14:00	Tim Hopper	MNRSA	NMR - A Cost Effective Method to Understand Groundwater and Moisture
14:00	14:20	Ian Grey	Sigra	Measuring the Right Parameters - Stress/Strain, Fluid Pressure, Permeability & Material Properties
14:20	14:40	Ken Mills	SCT	Remote Monitoring
14:40	15:00	Rhett Hassell/Jack Carswell	Dugald River	Geotechnical Input - From Feasibility to Construction
15:00	**15:30**	**Afternoon Tea**		
15:30	**17:20**	**Session 4**	**Bre-Anne Sainsbury**	
15:30	15:50	Alex Campbell	Glencore	Marker Project and Fragmentation Scanning
15:50	16:10	Simon Steffan	Elexon	Cave Tracker Marker / Open Pit Wall Monitoring
16:10	16:30	Ben Jones	i2t	QA/QC of Resin Bolt Installation
16:30	17:00	Ian Brunton	Itasca	Implications of Recent Full Scale Marker Trials on Gravity Flow in Block Caving
17:00	17:20	Gerrit Olivier	IMS	Turning Noise into Signal: Using Ambient Seismic Noise to Image and Monitor Mining Environments
17:20		**Drinks / Dinner**	**Marriot Hotel**	

Friday 14th October 2016   This day contributes to 6 hours of CPD points

8:00	**9:40**	**Session 1**	**Morteza Ghamgosar**	
8:00	8:20	Albert Cabrejo	Ground Probe	Technical Differences - 3DRAR, 2DRAR & 2DSAR. Advantages & Disadvantages of each Technology
8:20	8:40	Jason Richards	Maptek	Laser Scanning Monitoring to Predict a Failure in a Hard Rock Mine
8:40	9:00	Evan Jones	Beck Engineering	The Use of Mobile Laser Scanning Devices for Deformation Monitoring
9:00	9:20	Stephen Meyer	IMS	Routine Evaluation of Seismic Hazard
9:20	9:40	Willem De Beer	ESG	Implementation and Applications of 3D Seismic Velocity Models
9:40	**10:10**	**Morning Tea**		
10:10	**12:00**	**Session 2**	**Robyn Teet**	
10:10	10:40	Erik Eberhardt	**KEYNOTE**	Managing Large Open Pit Rock Slope Hazards
10:40	11:00	Harpreet Singh	Cannington	New Technologies in Instrumentation Monitoring
11:00	11:20	Chris Chester	Cadia	Development of a Geotechnical Instrumentation Model
11:20	11:40	Frans Basson	Basrock	Data Visualisation: The Good, the Bad and the Ugly
11:40	12:00	Patrick Smillie	ARANZ Geo	Leapfrog Software for Geotechnical Applications
12:00	**12:50**	**Lunch**		
12:50	**15:20**	**Session 3**	**Des Vliestra**	
12:50	13:10	Gordon Sweby	ACG	Modelling of Instrumented Shotcrete
13:10	13:30	Niki Jackson	GCP Applied Technologies	New Technologies in Chemical Admixtures for use in Shotcrete
13:30	13:50	Christina Rurak	Cannington	Advances in Pastefill Binders
13:50	14:10	Jake O'Brien	Active Minerals	Paste and Aggregate Fill - Redefining the Problem
14:10	14:30	Trent Roberts	Jennmar	Measuring Installed Cable Loads Using a SmART Cell
14:30	14:50	Doug Patemam	Orica	Laboratory and Field Testing of Enduro
14:50	15:20	Meeting Wrap Up		Open to All: Next meeting and AGM
15:20	**15:50**	**Afternoon Tea**		