



# DR ALAN THOMPSON

Principal Research fellow



(MEA NODE: WA SCHOOL OF MINES, CURTIN UNIVERSITY OF TECHNOLOGY)

**QUALIFICATIONS** B.E. (Civil), The University of Melbourne, 1970  
Ph.D in Civil Engineering, The University of Melbourne 1980

**EMPLOYMENT** 2004 - present Research Fellow, WA School of Mines  
2001 - 2003 Principal Research and Consulting Engineer, Alan Thompson Geotechnology  
1995 - 2000 Principal Research and Consulting Engineer, Rock Technology Pty Ltd  
1988 - 1995 Principal Research Engineer, CSIRO Exploration and Mining (Perth)  
1978 - 1987 Research Engineer, CSIRO Division of Applied Geomechanics

**PROFESSIONAL SOCIETIES** Engineers Australia, Member, CPE, NPER-3  
Australasian Institute of Mining & Metallurgy, Member  
Australian Geomechanics Society, Member  
International Society of Rock Mechanics, Member  
American Rock Mechanics Association, Member  
Australian Underground Construction and Tunnelling Association, Member

**TEACHING AREAS** Geomechanics/geotechnical engineering

**RESEARCH INTERESTS** Rock mass characterisation and simulation  
Stability assessment for underground and open pit excavations in hard rock  
Ground support for excavations in hard rock

**SELECTED RECENT PUBLICATIONS** Thompson, A.G. 2006. Energy absorption of shotcrete and reinforcement schemes. Goldenrocks - 50 Years of Rock Mechanics, eds. D Yale and J. Tinucci, Paper 06-942, 12p.  
Hassell, R.C, E. Villaescusa and A.G. Thompson 2006. Testing and evaluation of corrosion on cable bolt anchors, Goldenrocks - 50 Years of Rock Mechanics, eds. D Yale and J. Tinucci, Paper 06-996, 12p.  
Thompson, A.G. 2004. Performance of cable bolt anchors – An Update. MassMin2004 (Eds. A. Karzulovic and M.A. Alfaro), 317-323, Instituto de Ingenieros de Chile: Santiago  
Thompson, A.G., J.R. Player and E. Villaescusa 2004. Simulation and analysis of dynamically loaded reinforcement systems. Ground Support in Mining and Underground Construction, 341-358, Balkema: Leiden.  
Player, J.R., A.G. Thompson and E.Villaescusa 2004. Dynamic testing of rock reinforcement using the momentum transfer concept. Ground Support in Mining and Underground Construction, 327-340, Balkema: Leiden.  
Thompson, A.G., P.R. O'Bryan and C.M. Orr 2004. Artificial rehabilitation and control of open pit slope crest and batters. Ground Support in Mining and Underground Construction, 271-280, Balkema: Leiden.  
Hassell, R., E.Villaescusa, A. Thompson and B. Kinsella 2004. Corrosion assessment of ground support systems. Ground Support in Mining and Underground Construction, 529-544, Balkema: Leiden.  
O'Bryan, P.R., A.G. Thompson, E. Smithikul and S. Sanguankaeo 2003. Integrated stabilization and rehabilitation of a rock slope in Thailand. International Conference on Slope Engineering, Hong Kong.  
Thompson, A.G 2002. Stability assessment and reinforcement of block assemblies near underground excavations. Mining and Tunnelling Innovation and Opportunity (Eds. Hammah, Bawden, Curran and Telesnicki), Proc. of 5th North American Rock Mechanics Symposium and the 17th Tunnelling Association of Canada Conference: NARMS-TAC 2002, V2, 1439-1446, University of Toronto Press: Toronto.  
Thompson, A.G. 2001. Rock support action of mesh quantified by testing and analysis. International Seminar on Mine Surface Support Liners: Membranes, Shotcrete and Mesh, Section 1, 19p, Australian Centre for Geomechanics: Perth.