

# PROF. BRUCE HEBBLEWHITE

HEAD OF SCHOOL & RESEARCH DIRECTOR  
(PROFESSOR OF MINING ENGINEERING)



- QUALIFICATIONS** B.E. in Mining Engineering, University of New South Wales, 1974  
Ph.D in Mining Engineering, University of Newcastle upon Tyne 1977  
Diploma AICD, University of New England, 1991
- EMPLOYMENT** 1974 - 77 Cleveland Potash Ltd, Mining Engineer/Research Assistant.  
1977 - 79 ACIRL Ltd, Mining Engineer.  
1979 - 81 Senior Mining Engineer.  
1981 - 83 Manager, Mining.  
1983 - 95 Divisional Manager, Mining.  
1995 - 2006 UNSW, School of Mining Eng., Kenneth Finlay Chair of Rock Mechanics  
2006 - present UNSW, School of Mining Eng., Professor of Mining Engineering  
2003 - present UNSW, School of Mining Eng., Head of School and Research Director  
2006 - present Executive Director, Mining Education Australia
- PROFESSIONAL SOCIETIES** Australasian Institute of Mining & Metallurgy, Member  
Australian Geomechanics Society, Member  
International Society of Rock Mechanics, Member; & President – ISRM Mining Interest Group  
American Institute of Mining Engineers, Member  
Australian Institute of Company Directors, Member  
Society of Mining Professors – Member of Council
- TEACHING AREAS** Rock mechanics/geotechnical engineering/strata control  
Mining processes & systems  
Mine planning & design  
Coal mining methods (underground)
- RESEARCH INTERESTS** Thick seam underground coal mining systems  
Caving mechanics  
Rock reinforcement/ground control  
Mine subsidence
- SELECTED RECENT PUBLICATIONS** Hebblewhite, B K, Simpson, J & Fowler, J C W, 1997. Windblast investigations and operational experience at Newstan Colliery, in *First Intern. Underground Coal Conf – Improving longwall performance through quality assurance*, pp 133-144 (UNSW: Sydney).  
Salamon, M D G, Galvin, J M & Hebblewhite, B K, 1997. Pillar Design – a review of South African and Australian databases and development of an integrated pillar strength determination, in *SARES97 – First Sth Afr. Rock Eng. Symp.*, Johannesburg, pp 547-556.  
Hebblewhite, B K, Waddington, A, & Wood J, 2000. Regional horizontal surface displacements due to mining beneath severe surface topography, *Proc 19<sup>th</sup> Int. Conf. On Ground Control in Mining*, Morgantown, WVA, USA, pp149-157.  
Hebblewhite, B, Cai, Y, Sainsbury, D, Li, T, Finn, D, Berry, M, 2003. Investigation of geomechanical criteria for safe and efficient crown pillar extraction beneath stabilized rockfill at the Crusader Mine, in *Proc 10<sup>th</sup> ISRM Cong., “Technology roadmap for rock mechanics”*, SAIMM, Johannesburg, Sth Africa, Sept, ISBN 1-919783-52-0, pp1001-1006.  
Fowler, J & Hebblewhite, B, 2003. Managing the hazard of wind blast/air blast in caving operations in Australian underground mines, in *1<sup>st</sup> Australasian Ground Control in Mining Conf.*, UNSW/EAGCG, Sydney, Australia, Nov, ISBN 0 7334 2085 0, pp33-44.  
Hebblewhite, B, Lu, T, 2004. Geomechanical behaviour of laminated, weak coal mine roof strata and the implications for a ground reinforcement strategy. *Int. J Rock Mech. & Min. Sc.* 41, pp147-157.  
Hebblewhite, B, Crosky, A, Fabjanczyk, M & Gray, P, 2004. Investigations into premature bolt failures in Australian coal mines due to stress corrosion cracking in *Proc. Int. Ground Control Conference*, Perth.  
Hebblewhite, B, 2005. Status and prospects of underground thick coal seam mining methods. *19<sup>th</sup> Int’l Mining Congress, Turkey (IMCET2005)*, Izmir, Turkey, June 2005  
Hebblewhite, B, 2006. Mining engineering education initiatives in Australia. *Mining Engineering, Vol. 58, No. 2, Society of Mining Engineers (US), February, 2006*, pp31-37.  
Hebblewhite, B, 2006. 25 years of ground control developments, practices and issues in Australia. *25<sup>th</sup> Int’l Conf. on ground control in mining*, Morgantown, WVA, USA, Aug 2006, pp 111-117.  
Franz J, Cai Y & Hebblewhite B, 2007. Large scale rock slope failure mechanisms controlled by major geological structures. *11<sup>th</sup> Congress of ISRM, The second half century of rock mechanics*, Lisbon, Portugal, July, 2007.