



PROF. BRUCE HEBBLEWHITE

HEAD OF SCHOOL & RESEARCH DIRECTOR
(KENNETH FINLAY PROFESSOR OF ROCK MECHANICS)

(MEA NODE: UNSW SCHOOL 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 - present UNSW, School of Mining Eng. Research Director (Kenneth Finlay Chair of Rock Mechanics)
2003 - present 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, Galvin, J M & Vasundhara, 1999. Barrier and chain pillar design research outcomes: Angus Place Colliery, in *Eight Aust. NZ Conf. on Geomechanics*, Hobart, Tasmania, pp 15-17.
Hebblewhite, B K, Waddington, A, & Wood J, 2000. Regional horizontal surface displacements due to mining beneath severe surface topography, in *Proc. 19th 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. of 10th ISRM Congress, “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 *1st 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. *19th Int'l Mining Congress, Turkey (IMCET2005)*, Izmir, Turkey, June 2005