

DR CHRIS FOWLER

SENIOR RESEARCH FELLOW



- QUALIFICATIONS** BSc (Hons) in Civil Engineering, Manchester University, UK, 1968
PhD in Mining Engineering, The University of New South Wales, 1989
- EMPLOYMENT** 1968 – 73 Sir Alexander Gibb & Partners, London, UK,
Assistant Engineer, Resident Engineer.
1973 – 82 Explo Group, Wolverhampton, UK, Vibrations Engineer,
Project Manager, Contracts Manager.
1986 FCF Marine Contractors, Channel Isles, UK, Project Manager.
1989 – 94 Department of Mining Engineering, The University of New South Wales, Research Fellow.
1994 – 95 Fowler Associates, Wolverhampton, UK, Principal.
1995 – 97 Department of Safety Science, The University of New South Wales, Research Fellow.
1997 – School of Mining Engineering, The University of New South Wales, Senior Research Fellow.
- PROFESSIONAL AFFILIATIONS** Institution of Civil Engineers, Member
Chartered Engineer
Institute of Explosives Engineers, Member
- RESEARCH AREAS** Wind blasts in underground mines
Air overpressure from blasting
Shock, vibration and the dynamics of structures and vehicles
Dust suppression
Remote gas monitoring
Geotechnical engineering
Occupational health and safety
- SELECTED PUBLICATIONS & REPORTS** Fowler JCW, Torabi SR and Daly CR, 1996. Field investigations into wind blasts resulting from large falls of roof in Australian underground coal mines, Guo Yuguang, Golosinski TS (eds), in *Mining Science and Technology*, Rotterdam, Balkema, The '96 International Symposium on Mining Science and Technology, Xuzhou, Jiangsu, Peoples Republic of China, 16-18 October 1996, 145-149.
Fowler JCW 1997. The Dynamics of Wind Blasts in Underground Coal Mines, Phase 1 – Interim Project Report, publ. Sydney: The University of New South Wales School of Mines, ISBN 0 7334 1550 4.
Simpson J, Hebblewhite BK and Fowler JCW, 1997. Windblast investigations and operational experience at Newstan Colliery, Hebblewhite BK, Galvin JM, Broome AJ (eds), *Improving Longwall Performance Through Quality Assurance*, Sydney, Conference Publications, 1st International Underground Coal Conference, Sydney, Australia, 11-13 June 1997, 133-147, ISBN 0 947333 95 9.
Cross JA, Fowler JCW and Xiao F, 1998. Electrostatic Enhancement of Water Sprays for Dust Suppression, Final Project Report, publ. Sydney: The University of New South Wales School of Safety Science, ISBN 0 7334 0521 5.
Sharma P and Fowler JCW, 2000. Longwall mining under massive conglomerate roof: case studies of Australian underground coal mines, Jha PC, Gupta RN (eds), *Site Characterisation Practice*, New Delhi, Oxford & IBH Publishing Co., International Conference on Rock Engineering Techniques for Site Characterisation (Rocksite-99), Bangalore, India, 6-8 December 1999, 405-411, ISBN 81 204 1342 3.
Fowler JCW and Sharma P, 2000. The Dynamics of Wind Blasts in Underground Coal Mines, Final Project Report, The University of New South Wales School of Mining Engineering, ISBN 0 7334 0700 5.
- PROFESSIONAL INTERESTS AND CONSULTING** Wind blast in underground mines
Shock and vibration
Air overpressure and sound
Explosives and blasting
Dredging and rock excavation