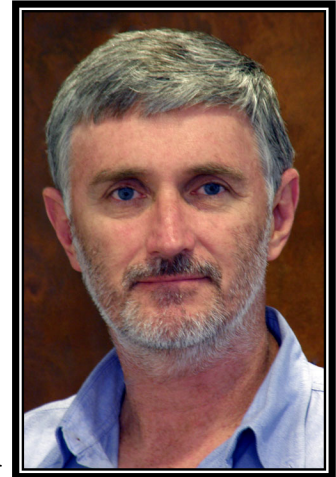


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- QUALIFICATIONS** B.E. in Mining Engineering, University of NSW, 1980
Ph.D in Mining Engineering, University of NSW, 1990
Graduate Dip. of Management (Technology Management), 2000
WA First Class Certificate of Competency as Mine Manager
NSW Certificate Below Ground Mine Production Manager
- EMPLOYMENT** 1976 – 77 Nebo Colliery, NSW. Underground Operator.
1977 – 78 Kandos Colliery, NSW. Engineering Assistant.
1980 – 82 Union Corporation, RSA. Graduate Mining Engineer.
1983 – 91 UNSW. Postgraduate Student, Tutor and Laboratory Manager
1991 – 94 CRA – Advanced Technical Development, Perth. Senior Project Engineer.
1994 – 96 Hamersley Iron Pty Ltd, Mt Tom Price. Manager – Mine Planning
1996 – 98 Hamersley Iron Pty Ltd, Perth. Principal Consultant – Planning Systems
1998 – UNSW. Senior Lecturer.
2001 – UNSW. Director – Undergraduate Studies
- PROFESSIONAL SOCIETIES** Australasian Institute of Mining & Metallurgy, Fellow
Australian Tunnelling Society, Member
- TEACHING AREAS** Excavation Engineering and Machine Mining of Rock
Tunnel Engineering and Shaft Sinking
Mine Planning and Design
Management Systems
- RESEARCH** Machine cutting of rock
Rock support systems
- RECENT PUBLICATIONS** Craig P, Saydam S and Hagan P, in press. Stress corrosion of rockbolts in Australian coal mines, in Proceedings 43rd US Rock Mechanics Symposium, Asheville, NC, USA, June 2009
Jacobs N and Hagan P, in press. The effect of stylus hardness and some test parameters on CERCHAR Abrasivity Index, in Proceedings 43rd US Rock Mechanics Symposium, Asheville, NC, USA, June 2009
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- Proceedings 24th International Conference on Ground Control in Mining, Morgantown, USA*, pp 242-249 (West Virginia University)
- Denney J M and Hagan P, 2004. A study of the effect of changes in fibre type and dosage rate on performance of fibre reinforced shotcrete, in *Shotcrete: More Engineering Developments, Proceedings Second International Conference on Engineering Developments in Shotcrete, 4 Oct, Cairns, Qld* (ed: E Bernard) pp 103-108 (Taylor and Francis)
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- Hagan P, 2003. The effect of resin annulus on the anchorage performance of fully encapsulated rockbolts, in *Technology roadmap for rock mechanics: Proceedings Tenth Congress of the International Society of Rock Mechanics Conference, Johannesburg, 8-12 Sept*, vol 1 pp 447-450 (South African Institute of Mining and Metallurgy)
- Hagan P, 2003. Observations on the differences in load transfer of a fully encapsulated rockbolt, in *Ground Control in Mining – Technology and Practice: Proceedings First Australasian Ground Control in Mining Conference, Sydney, 10-13 Nov*, (ed: B Hebblewhite) pp 161-166 (University of New South Wales)
- Hagan P, 2003. A study of the variability in some rockbolt parameters and their potential impact on anchorage performance in coal mines, in *Mining Risk Management Conference 2003: Proceedings of Conference on Effective Risk Management for Mining Project Optimisation, Sydney, 9-12 Sept* (Australasian Institute of Mining and Metallurgy)

**PROFESSIONAL
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Geomechanics: Machine cutting of rock and roof support