



GARRY MOSTYN

BE(Hons), MEngSc, BA (Geology), FIEAust, AIAMA, CPEng
Grade 3 Arbitrator

Country of Citizenship:	Australia
Educational Qualifications:	BE (Hons), UNSW, 1974 MEngSc, UNSW, 1977 BA (Geology), Macquarie University, 1980
Professional Associations:	Fellow, Institution of Engineers, Australia Associate and Grade 3 Arbitrator, Institute of Arbitrators and Mediators, Australia
Publications:	72

Rock engineering, slope engineering, probabilistic and risk analysis, foundation engineering, forensic engineering.

Garry Mostyn graduated from the University of New South Wales in civil engineering in 1973. He subsequently completed a master's degree in geotechnical engineering at UNSW and a bachelor's degree in geology and statistics at Macquarie University. He worked as a cadet and engineer with the NSW Department of Public Works and with consulting geotechnical engineers from 1970 until 1986. He then joined the Department of Civil Engineering at the University of New South Wales where he lectured in civil and environmental engineering practice and geotechnical engineering. He joined PSM in 1997 as a Principal Consultant while retaining a part time appointment at UNSW.

FIELDS OF SPECIAL COMPETENCE:

His fields of specialist expertise are:

- slope engineering
- foundation engineering
- rock mechanics
- geotechnical risk analysis
- forensic engineering

He has lectured extensively in geotechnical engineering including presenting postgraduate courses in foundation engineering, slope stability, rock mechanics and underground structures. He has completed research on the stability and reliability of slopes and the engineering properties of rocks and rock masses.

He has undertaken or supervised geotechnical investigations for several hundred projects and has experience in most aspects of geotechnical engineering. He has worked on major projects throughout Australia and in Thailand and PNG. He is a graded arbitrator and has provided expert advice and evidence in over forty disputes.

He has been an active member of several national and international code and practice committees and been involved at the highest levels of the Australian Geomechanics Society and the International Society for Rock Mechanics. He is a frequent speaker at professional society meetings and symposia both in Australia and overseas. He has authored or co-authored over 60 journal and conference papers in his fields of expertise.



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EXPERIENCE:

1997 - Present

Principal - Pells Sullivan Meynink Pty Ltd, Sydney

1986 - Present

Senior Lecturer - University of New South Wales, Sydney

Adjunct Associate Professor - University of New South Wales, Sydney

1981 - 1986

Senior Engineer - Dames & Moore, Sydney

1978 - 1981

Senior Engineer - McMahon, Burgess & Yeates, Sydney

1976 - 1978

Engineer - Department of Public Works, NSW

1974 - 1976

Engineer - Longworth & McKenzie Pty Ltd, Sydney

1970 - 1974

Cadet Engineer - Department of Public Works, NSW

SOCIETIES/STANDARDS:

- Australian Geomechanics Society
 - National Committee Member, 1988 - 2001
 - Chairman, 1994-1995
 - Editor, Australian Geomechanics Journal, 1998 – 2001
- International Society for Rock Mechanics
 - Vice President, 1995 - 1999
- Member Standards Australia Committee - CE/27 producing AS3798 "Guidelines on Earthworks for Commercial and Residential Developments"
- Chairman of Standards Australia Committee - CE/32 producing AS4678 "Earth-retaining Structures"
- Standards Australia Committee - BD/90/3 Foundations – Past Member
- ISSMGE - TC23 Limit State Design in Geotechnical Engineering – Member, 1995 - 2002

GENERAL:

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- Responsible for completing or supervising geotechnical investigations for several hundred projects. Involvement on each project varied from a few days to several months and included extensive contact with owners, consultants and contractors and preparation of reports presenting the results of the studies.
- Have acted as expert witness in over forty matters over last decade involving several separate fatalities and many large civil and contractual claims.
- At UNSW, actively involved in research and development work in many areas of risk, rock engineering, slope stability and foundation design. Awarded Vice Chancellor's Award for Teaching Excellence in 1998.
- Has taught extensively at postgraduate level including 42 hour subjects in: Slope stability and stabilisation; Foundation engineering; Rock Engineering; Applied soil mechanics. Has contributed to graduate teaching subjects in: Embankment dam engineering; Site investigations; Underground structures in rock; Geological engineering; Qualitative risk assessment of landslides.
- Applied probabilistic, statistical and risk based methods to various engineering problems including slope design, parameter selection, &c.
- Responsible for the overall supervision and completion of geotechnical site investigations for numerous residential, commercial, industrial and public buildings.
- Extensive experience in all aspects of geotechnical engineering as applied to mining, especially design of pit slopes and waste dumps.
- Involved in the geotechnical aspects of the design and construction of several dams.
- Involved in setting up and operation of several geotechnical laboratories and actively involved in hardware and software applications of microcomputers since 1978.
- Water management and contaminant movement studies for major proposed uranium mines in the Northern Territory.
- Involved as principal in investigations, design and monitoring for rectification works at East Arm Port, Darwin.
- Assisted with PSM investigations and advice to NSW Coroner on Inquiry into Thredbo Landslide.
- Geotechnical studies for design of the Stage III and Stage IV pit involving excavated slopes 450 m high.
- Supervised 5 doctoral theses and co-supervised 5 doctoral theses.
- Completed General and Advanced Arbitration courses conducted by the Institute of Arbitrators, Australia, passed Grading Examination, graded Grade 3 Arbitrator (1993).
- Geotechnical design, project management and auditors for 35m deep quarry fill for residential development at Enfield Brick Pit.
- Geotechnical design, project management and auditors for major earth fill at Moorebank Brick Pit.
- Parramatta Rail Link, monitoring 10m deep cofferdam for river crossing.

PRINCIPAL INVESTIGATOR FOR FOLLOWING MAJOR PROJECTS:

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Ok Tedi Project Western PNG	Two tailings dams, a hydroelectric dam, 150 km of road through extremely inhospitable terrain, two towns, two airfields and river and ocean port facilities. Recently completed geotechnical aspects of due diligence study and provided advice on slope failures on access roads.
Mae Moh Lignite Mine Northern Thailand	Geotechnical investigations, consisting of 240 m high slopes in steeply dipping, very weak and extensively faulted rocks. Sixty geotechnical and over fifteen hundred exploration boreholes completed. Each degree of slope angle had a present value cost of well over \$30 million.
Woodside, North Rankin A Flare Tower	Review of all information relating to very loose calcareous soils forming foundation to large offshore platform. Information had been collected during ten years of detailed investigations utilising virtually all available in-situ and laboratory techniques. A gravity based anchor system was then designed to provide foundation support to portions of the structure. This system has now been implemented.
Burnley Tunnel, Melbourne Citylink Victoria	Investigation of cause of wall failure, design of rectification works. Investigation and design of improvement works to north and south walls of tanked tunnel.
Gladstone Coal Stockpile Central Queensland Ports Authority	Detailed investigation and design for site improvement works for major coal stockpile on soft soil site.
Greystanes Estate Development	Geotechnical advice regarding industrial developments of large quarry, including batter stabilisation and earthworks.
Whisper Bay, Airlie Beach, QLD	Site improvement over old quarry for waterfront apartments.
Rydalmere, NSW	Site improvement over very poor ground for industrial development.

EXPERT ADVICE/WITNESS:

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Devonshire St, Sydney.	Expert advice, 8m deep contiguous pile retaining wall failure.
Coledale, NSW	Review of previous work and supervision of design of remedial work for failed railway embankment. This failure had tragically resulted in two fatalities.
Rushcutters Bay, NSW	Expert advice, effect of contiguous pile wall on adjacent residence.
Denistone, NSW	Review of design of remedial works for embankment failure.
Schofields, NSW	Expert advice on leaking dam.
Bayswater Colliery, NSW	Advice on highwall failure.
Wollongong, NSW	Expert advice, fatality due to excavation failure.
Wentworth Park Greyhound Track, NSW	Expert advice, design and contract for track design.
Bungan Head, NSW	Expert witness, cliff line stability.
Kiewa, VIC	Expert advice, McKay Power Station stability.
Gilmandyke, NSW	Advice on land stabilisation.
Bayview, NSW	Expert witness, retaining wall failure.
Pambula, NSW	Expert witness, damage to motel.
Sth Alligator R Bridge, NT	Expert advice on foundation design.
Paddington, NSW	Expert advice on conservation options, terraces.
Bolton Pt, NSW	Expert advice, earthquake damage to house.
Barnsley, NSW	Expert advice, use of coal refuse.
Chatswood, NSW	Expert advice, underpinning failure.
Punchbowl, NSW	Expert advice, murder victim.
Various NSW	Expert advice on many cases of damage to houses.
Alexandria, NSW	Expert advice on cable creep.
Kidston, QLD	Expert advice on slope design.
Laverton QLD	Expert advice, reinforced soil wall.
Kogarah, NSW	Expert advice on fatal gas explosion.

Rydalmere, NSW	Expert advice, reinforced soil wall.
Griffith, NSW	Expert advice, fatality due to trench collapse.
Lake Macquarie, NSW	Expert advice, cracked houses.
Lismore, NSW	Expert advice, damage to motel.
Thredbo, NSW	Member of PSM team acting as advisers to the NSW Coroner on the causes of the 1997 landslide at Thredbo, NSW.
Wetherill Park, NSW	Impact of retaining wall construction on existing factory and retaining wall.
Western Ring Road, VIC	Provision of expert opinion on deformation of reinforced soil wall.
Cooks River, NSW	Investigation and expert opinion on cause of failure of construction cofferdam.
Aquatic Centre, NSW	Provision of expert opinion on reinforced earth wall and deformation of Aquatic Centre
Ok Tedi Mine, PNG	Road and pipeline failures due to landsliding
Sydney, NSW	Independent Property Impact Assessment Panel for the Cross City Tunnel.
Eastern Distributor, NSW	Expert panel assisting with resolution of final 40 damaged properties.
Darwin, NT	Detailed analysis of fill placement behind very large sheet pile wall.
Clovelly, NSW	Damage to block of strata units.
Niddrie Quarry, Victoria	Provision of Expert Advice on contract dispute for deep fill.
Mona Vale, NSW Wallsend, NSW	Expert opinion on damage to building. Provision of expert opinion on retaining wall failure and slope instability.
Manly, NSW	Provision of expert opinion on damage to building.
Old Pacific Highway, NSW	Expert Advice to RTA on road failure and fatalities.

- General Reporter - *Slopes* at the 5th Australia-New Zealand Conference on Geomechanics, Sydney, 1988.
- Chairman's Address *Probabilistic Methods of Slope Analysis* presented to Sydney Group of the Australian Geomechanics Society, November, 1988.
- Technical Convenor - 7th Australian Tunnelling Conference, Sydney, September, 1990.
- Member of Standards Australia Committee CE/27 - Earthworks standard (issued as AS3798-1990)
- Member of Standards Australia Committee CE/32 - Reinforced soil and retaining walls.
- Address on *Design of Coledale remedial works* to Sydney Group of the AGS, May, 1990.
- Seventh Peter McAnally Memorial Lecturer, Queensland University of Technology, May, 1991.
- Preparation and presentation of two papers in Seminar by Standards Australia entitled *Earthworks for commercial and residential development*, March, 1991 in Brisbane, Sydney, Adelaide and Perth.
- General Reporter - *Stability Analysis* at the 6th International Symposium on Landslides, Christchurch, 1992.
- Chairman - *Analytical and Probabilistic Methods* at the 6th Australia-New Zealand Geomechanics Conference, Christchurch, 1992.
- Address on *Rippability of rock* to Sydney Group of the AGS, October, 1992.
- Invited lecturer - *Probabilistic Slope Analysis* at the Conference on Probabilistic Methods in Geotechnical Engineering, Canberra, 1993.
- Address on *Limit state design in geotechnical engineering* to Sydney Group of the AGS, October, 1993.
- Chairman, Organising Committee - First ANZ Young Geotechnical Professional Conference, Sydney, February, 1994.
- Presented four day course with Prof Fell on *Slope stability and stabilisation* in Kuala Lumpur, Malaysia, August, 1994, Kuching, Sarawak, June 1995, three day course by self in Kuala Lumpur, 1995, 1996 & 1997.
- Address on *Domestic footing failures and remediation* with Mr D Smee to Sydney Group of the AGS, August, 1995.
- Preparation and presentation of paper in Seminar by Standards Australia entitled *Earth Retaining Structures Workshop* Nov/Dec, 1994 in Melbourne, Adelaide and Perth.
- Chairman - *Strength Properties of Rock and Rock Masses* at the ISRM International Symposium, NY Rocks'97, New York, July 1997.

- Address on *Rock Mass Strength* with Mr K Douglas to Sydney Group of the AGS, October 1998.
- Presented one and two day courses with Professor Fell on [*Quantitative Risk Assessment of Slopes*] in Sydney 1997/1998 and Auckland in 1999.
- Strength of Intact Rockmass. Rock Mass Invited Lecture to GeoEng2000.
- Landslide Risk Management Seminars, Facilitator and Speaker, Sydney, Wollongong, Brisbane, Adelaide & Perth, 2002
- Senior Mentor and Invited Speaker, 5th ANZ Young Geotechnical Professional Conference, Rotorua, NZ, 2002
- Paper and presentation with Ms I Chan on *Climatic Factors for AS2870 for the Sydney Region* to the 6th Young Geotechnical Professionals Conference, Gold Coast, July 2004.
- Mentor to Mr D Piccolo for his award winning presentation on *Design of Deep Fills for Residential Development. Enfield Brick Pit* to the 7th Young Geotechnical Professional Conference, Adelaide, October 2006.
- Paper and presentation on *ACI Stage 6 Foundation Analysis and Design. An "Upside-down Site"* with Mr D Piccolo to the 7th Young Geotechnical Professional Conference, Adelaide, October 2006. Also presented to the Footings and Foundations Society Annual Conference, Sydney 2007.
- *AS3798 – 2007 Guidelines on Earthworks for Commercial and Residential Developments – Recent Revision* with Mr Max Ervin. Presented to the Australian Geomechanics Society, 2007 Symposium "Engineering Advances in Earthworks", Darling Harbour 2007.

LIST OF PUBLICATIONS:

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1. **Sutcliffe G. & Mostyn G.** (1983) Permeability testing for the Ok Tedi Project. *Proc Int Symp on Soil & Rock Investigations by Insitu Testing in Engineering Geology*, Paris (Also *Bulletin Int Assoc of Eng Geol*, No 26-27, pp501-508).
2. **Mostyn G.** (1983) A statistical approach to the determination of the permeability of a mass. *Proc 4th Int Conf on the Application of Statistics and Probability to Soil & Structural Engineering*, Florence, V2, pp1031-1042.
3. **Mostyn G. & Ferguson A.** (1984) Analysis of strength test results - Pnyang Formation, Papua New Guinea. *Proc 4th Australian and New Zealand Conference on Geomechanics*, Perth, pp112-117.
4. **Walker B., Dale M., Fell R., Jeffery R., Leventhal A., McMahon M., Mostyn G. & Phillips A.** (1985) Geotechnical risks associated with hillside development. *Australian Geomechanics News*, Number 10, pp29-35.
5. **Mostyn G. & McMahon B.K.** (1986) Application of microcomputers to slope design at Mae Moh Lignite Mine, Northern Thailand. *Proc Symp on Computer Aided Design in Geotechnical Eng*, AIT, Bangkok, pp167-183.
6. **Mostyn G. & Small J.** (1987) Methods of stability analysis, Chapter 3 in *Soil Slope Instability and Stabilisation*, (eds Walker B. & Fell R.), Balkema, pp71-120.
7. **Leventhal A.R. & Mostyn G.** (1987) Slope stabilization techniques and their application, Chapter 5 in *Soil Slope Instability and Stabilisation*, (eds Walker B. & Fell R.), Balkema, pp183-230.
8. **Hudson M.J., Mostyn G., Wiltsie E.A. & Hyden A.M.** (1988) Properties of near surface Bass Strait soils. *Proc Int Conf on Calcareous Sediments, Perth, Engineering for Calcareous Soils* (eds Jewell R.J. & Andrews D.C.), V1, pp25-34, Balkema.
9. **Mostyn G.** (1988) Statistical evaluation of design parameters for gravity based anchor system. *Proc Int Conf on Calcareous Sediments, Perth, Engineering for Calcareous Soils* (eds Jewell R.A. & Andrews D.C.), V2, pp711-717, Balkema.
10. **Fell R., Mostyn G.R., Maguire P. & O'Keefe L.** (1988) Assessment of the probability of rain induced landsliding. *Proc 5th Australia New Zealand Conf on Geomechanics*, Sydney, V1, pp73-77.
11. **Mostyn G.** (1988) General report on slope stability. *Proc 5th Australia New Zealand Conference on Geomechanics*, Sydney, pp435-445.
12. **Mostyn G., De Wit B., Knoop B., Small J. & Kurzeme M.** (1989) Prediction of earth pressures on culvert, F3 Freeway, Wahroonga, NSW. *Australian Geomechanics*, Special Issue for the 5th ANZ Conference on Geomechanics, pp97-106.
13. **Mostyn G. & Taylor H.** (1989) A preliminary study of first year civil engineering students at the University of New South Wales. *First Australian Association for Engineering Education Convention and Conference*, Sydney, pp220-225.
14. **Mostyn G.** (1990) Discussion of "Procedure of slope failure prediction during rainfall based on the back analysis of actual case records" by H. Suzuki and M. Matsuo, *Soils and Foundations*, Vol 30, No 2, pp135-138

15. **Mostyn G. & Gallagher P.** (1991) The implementation and application of AS3798. *Earthworks for Commercial and Residential Developments*, Standards Australia, Sydney, March, pp18-26.
16. **Mostyn G. & Redman P.** (1991) The role of the Geotechnical Testing Authority. *Earthworks for Commercial and Residential Developments*, Standards Australia, Sydney, March, pp27-31.
17. **Koczanowski M., Mostyn G. & MacGregor F.** (1991) An expert system for rock rippability assessment. *7th Int Cong on Rock Mechanics*, Aachen, Germany, September, 1991 Vol 1, pp 275-279.
18. **Mostyn G. & Adler M.** (1992) Design of the remedial works for the Coledale landslide. *Sixth Int Symp on Landslides*, Christchurch, NZ, February, 1992, Vol 1, pp791-796, Balkema.
19. **Gu Dazhao and Mostyn G.R.** (1991) The study of a method of making equivalent material models. *2nd Int Symp Mining Technology and Science*, Zushou, China, October, 1991.
20. **Gu Dazhao and Mostyn G.R.** (1992) A casting method for artificial rock specimens. *11th Int Conf on Ground Control in Mining*, The University of Wollongong, N.S.W., July, 1992.
21. **Mostyn G.R. & Waters M.** (1992) Small scale variability of reactive soils in western Sydney. *Proc 6th Australia-New Zealand Conf on Geomechanics*, Christchurch, NZ, February, 1992, pp353-357.
22. **Mostyn G.R. & Soo S.** (1992) The effect of auto-correlation on the probability of failure of slopes. *Proc 6th Australia-New Zealand Conf on Geomechanics*, Christchurch, NZ, February, 1992, pp542-546.
23. **Mostyn G.R.** (1992) Theme report - Stability analysis techniques. *Sixth Int Symp on Landslides*, Christchurch, NZ, February, 1992, Vol 3, pp1631-1639.
24. **Jafari M.R., Mostyn G. & MacGregor F.** (1992) Preliminary results of quarter scale modelling bulldozer excavation of jointed rock. *Western Australian Conf on Mining Geomechanics*, Kalgoorlie, WA, pp247-253.
25. **Jafari M.R., Mostyn G. & MacGregor F.** (1993) Mechanisms of failure of artificial jointed rock due to ripper penetration. *Int Sym on Assessment and Prevention of Failure Phenomena in Rock Engineering*, Istanbul, Turkey, pp417-423.
26. **Yu Y.F. & Mostyn G.R.** (1993) Spatial correlation of rock joints. *Proc Conf on Probabilistic Methods in Geotechnical Engineering*, Canberra, Australia, February, 1993, pp241-255.
27. **Mostyn G.R. & Li K.S.** (1993) Probabilistic slope analysis - State-of-play. *Proc Conf on Probabilistic Methods in Geotechnical Engineering*, Canberra, Australia, February, 1993, pp89-109.
28. **Gu D.Z., Jafari M.R. & Mostyn G.R.** (1993) An artificial soft rock for physical modelling. *Geotechnical Aspects of Hard Soils-Soft Rocks*, (eds, Anagnostopoulos et al), Balkema, pp517-524.

29. **Mostyn G.** (1993) Research in geomechanics in Australia. *Australian Geomechanics*, No 23, March, 1993, pp7-8.
30. **Poulos H.P., Johnston I.W. & Mostyn G.R.** (1993) Priority areas in Australian geomechanics research. *Australian Geomechanics*, No 23, March, 1993, pp14-17.
31. **Yu Y.F. & Mostyn G.** (1994) Random field modelling for the effect of cross correlation. *Proc. XIIIth Int Conf on Soil Mechanics & Foundation Engineering*, New Delhi, India, pp1389-1392.
32. **Jafari M.R. & Mostyn G.** (1993) An experimental investigation of deep cutting forces in artificial rock. *Proc 8th Australian Tunnelling Conf*, Sydney, August, pp 175-179.
33. **MacGregor F., Fell R., Mostyn G., Hocking G. & McNally G.** (1994) The estimation of rock rippability. *Quarterly J. Engineering Geology*, V27, pp123-144.
34. **Mostyn G., Khalili N. & Small J.** (eds)(1994) *Proc First Australia-New Zealand Young Geotechnical Professionals Conf*, Sydney.
35. **Nash P. & Mostyn G.** (1994) Deformations about excavations in highly stressed rock. *Settlement 94*, Texas A&M University.
36. **Yu Y.F. & Mostyn G.** (1994) Bounds on system reliability for a rock slope. *Proc Int Conf Computational Methods in Structural and Geotechnical Engineering*, Hong Kong, V4, pp1443-1448.
37. **Gu Dazhao & Mostyn G.** (1995) Making of the equivalent materials used for studying rock rippability. *Journal of China University of Mining & Technology*, V5, No 1, pp49-57, June.
38. **Mostyn G. & Bagheripour M.H.** (1995) Shear strength of discontinuously jointed rock masses - Theoretical approaches. *8th International Congress on Rock Mechanics*, Tokyo, V3, p1209-1212.
39. **Mostyn G. & Bagheripour M.H.** (1995) A new model material to simulate rock. *Proc of Second Int Conf on Mechanics of Jointed and Faulted Rock*, Vienna, Austria, pp225-230..
40. **Mostyn G. & Black J.A.** (1995) General education and environmental issues in a civil engineering degree. *Australian Association for Engineering Education Conference 1995*, Melbourne, pp442-446.
41. **Mostyn G. & Luketina D.** (1995) Major curriculum reform for environmental engineers. *Education '95 - The Changing University*, UNSW, pp274-282, Sydney.
42. **Fell R., Finlay P.J. & Mostyn G.** (1996) Framework for assessing the probability of sliding of cut slopes. *Seventh International Symposium on Landslides*, Trondheim, Norway, Balkema, pp201-208, Vol 1.
43. **Yu Y.F. & Mostyn G.** (1996) An extended point estimate method for the determination of the probability of failure of a slope. *Seventh International Symposium on Landslides*, Trondheim, Norway, Balkema, pp429-434, Vol 1.

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44. **Finlay P.J., Martin R.P. & Mostyn G.** (1996) Use of discriminant functions in assessing the probability of slope failure. *Seventh International Symposium on Landslides*, Trondheim, Norway, Balkema, pp209-214, Vol 1.
45. **Jones M.A. & Mostyn G.R.** (1996) Modelling Sydney Opera House Underground Parking Station. *Seventh ANZ Conference on Geomechanics*, Adelaide, pp197-202.
46. **Davis S. & Mostyn G.R.** (1996) Numerical modelling of contaminant transport using random fields *Seventh ANZ Conference on Geomechanics*, Adelaide, pp772-778.
47. **Bagheripour M. & Mostyn G.** (1996) The strength of rock masses with finite sized joints *EUROCK'96, International Symposium on Prediction and Performance in Rock Mechanics and Rock Engineering*, Torino/Italy, Balkema, pp283-290, Vol 1.
48. **Bagheripour M. & Mostyn G.** (1996) Prediction of the strength of jointed rock - theory and practice *EUROCK'96, International Symposium on Prediction and Performance in Rock Mechanics and Rock Engineering*, Torino/Italy, Balkema, pp231-238, Vol 1.
49. **Wong P.K. & Mostyn G.** (1996) Earth retaining structures - Scope, Investigation & Construction *Earth Retaining Structures Workshop, Seminar Papers*, Seminar 115, Standards Australia.
50. **Mostyn G. & Luketina D.A.** (1996) A new curriculum for environmental engineers *Australian Association for Engineering Education Conference 1996*, Sydney, pp274-278
51. **Mostyn G. & Black J.A.** (1996) Towards the development of a final year environmental engineering practice subject *Australian Association for Engineering Education Conference 1996*, Sydney, pp283-287
52. **Brown P., Cavanaugh L., Harding R., Moore S. & Mostyn G.** (1996) Environmental education for engineers: Explaining the relationship between professional, contextual and citizenship objectives *Australian Association for Engineering Education Conference 1996*, Sydney, pp292-295
53. **Mostyn G., Helgstedt M. & Douglas K.** (1997) Towards field bounds on rock mass failure criteria *International Journal of Rock Mechanics and Mining Sciences*, Vol 34, No 3-4, Paper No 208.
54. **Jafari M.R. & Mostyn G.** (1997) Laboratory investigation into ripping *International Journal of Rock Mechanics and Mining Sciences*, Vol 34, No 3-4, Paper No 209.
55. **Fague P. & Mostyn G.** (1997) Predicting acid rock drainage in waste rock dumps *GeoEnvironment 97, First ANZ Conference on Environmental Geotechnics*, Melbourne, pp 413-420.
56. **Helgstedt, M.D., Douglas K.J. & Mostyn G.** (1997) *A re-evaluation of in-situ direct shear tests, Aviemore Dam, New Zealand.* Australian Geomechanics, June pp 56-65.
57. **Mostyn, G. & Fell, R.** (1997) Quantitative and semi-quantitative estimation of the probability of landsliding *Landslide Risk Assessment* (eds Cruden D and Fell R), Balkema, pp 297-315.

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58. **Pells, P.J.N., Mostyn, G. & Walker, B.F.** (1998) Foundations on sandstone and shale in the Sydney Region *Australian Geomechanics*, No 33, pp 17-29.
59. **Finlay, P.J., Mostyn, G. & Fell, R.** (1999) Landslide risk assessment: Prediction of travel distance. Accepted by Canadian Geotechnical Journal.
60. **Finlay, P.J., Mostyn, G. & Fell, R.** (1999) Landslides: Prediction of travel distance and guidelines for vulnerability of persons *Eighth ANZ Conference on Geomechanics*, Hobart, pp 105 - 113, Vol 1.
61. **Eggers M.J., Mostyn G. & Sullivan, T.D.** (1999) Probabilistic stability assessment of a high slope in variable strength rocks *Eighth ANZ Conference on Geomechanics*, Hobart, pp 91 - 98
62. **Douglas, K.J. & Mostyn, G.** (1999) Strength of large rock masses - field verification *37th US Rock Mechanics Symposium*, Vail, pp 271 - 276
63. **Glastonbury, J., Mostyn, G. & Fell, R.** (1999) Analysis and prediction of pre-collapse deformation of cut rock slopes. *9th International Congress on Rock Mechanics*, Paris/France, pp 95 – 100, Vol 1.
64. **Mostyn, G. and Douglas, K.** (2000). Strength of intact rock and rock masses. *GeoEng2000*, Volume 1 (Invited papers), Technomic Publishing Co, pp 1389-1421.
65. **Mostyn, G. and Sullivan, T.** (2002). Quantitative risk assessment of the Thredbo landslide, *Australian Geomechanics*, V 37 No 2, May, pp 169-181.
66. **Mostyn, G. and Douglas, K. J.** (2004). The Shear Strength of Rock Masses, *9th Australian New Zealand Conference on Geomechanics*, Auckland - Feb. 2004, Vol 1 pp 166-172.
67. **De Ambrosis, L.P. and Mostyn, G.** (2004) An Example of a Qualitative Terminology and Risk Matrix for Use in Landslide Risk Assessments, *9th Australian New Zealand Conference on Geomechanics*, Auckland - Feb., Vol 1 pp 398- 404.
68. **Picarelli, L., Oboni, F., Evans, S.G., Mostyn, G. and Fell, R.** (2005) Hazard characterization and quantification. *Landslide Risk Management* (eds Hungr, Fell, Couture & Eberhardt), pp27-61, Balkema.
69. **Chan, I. and Mostyn, G.** (2004) *Climatic Factors for AS2870 for the Sydney Region*. Proc 6th Australian New Zealand Young Geotechnical Professionals Conference, Gold Coast, AGS, pp 28-33.
70. **Piccolo, D and Mostyn, G.** (2006) *Engineering Issues relating to filling of deep pits for residential and light industrial development*. Australia New Zealand Young Geotechnical Professionals Conference, 18-21 October 2006, Adelaide, South Australia, pp 168-173.
71. **Lai, Z.H.F., Douglas, K.J., and Mostyn, G.** (2007) *The strength of rock defects – numerical analysis of scale effects*. ISRM Congress, Lisbon, Portugal, pp (to be inserted).
72. **Douglas, K.J., Hemraj, D., and Mostyn, G.** (2007). *SPT – CPT correlations for Botany Sands*. Common Ground 10th ANZ Geomechanics Conference, Brisbane, pp (to be inserted).