

Nominations for elected members in the IAG Executive Committee for 2009-2013.

- For the post of **President: Prof. Michael CROZIER, New Zealand, Vice-President of the 2005 – 2009 EC**

Re: Nomination of Professor Michael Crozier for President of IAG

Dear Morgan,

On behalf of the Australian & New Zealand Geomorphology Group (ANZGG), I wish to nominate Professor Michael Crozier as a candidate for the position of President of the IAG when elections are held in Melbourne in early July 2009.

I have spoken with Professor Crozier and he has agreed to be nominated for the position of President.

The Executive Committee of ANZGG unanimously endorses this nomination.

Kind regards

BRAD PILLANS

President, ANZGG

Short profile:

Education	<p>Doctorate of Philosophy, University of Otago, New Zealand (1970)</p> <p>Bachelor of Science (Hons), University of Otago, New Zealand (1967)</p>
Current Position	Professor of Geomorphology, School of Earth Sciences, Victoria University of Wellington
Current Teaching	<ul style="list-style-type: none"> • Physical Geography • Geomorphology • Natural Hazards • New Zealand Resources and Environment • Graduate Research Supervision
Academic Appointments	<ul style="list-style-type: none"> • Victoria University of Wellington, New Zealand 1974- • Trent University, Canada 1971-74 • University of Alberta, Canada, 1970-71 • University of Otago, New Zealand 1969-70
Administrative Experience	<ul style="list-style-type: none"> • Chairperson, Department of Geography 1980-83 • Chairperson, Board of Studies in Physical Geography 1985-88 • Chairperson, Research School of Earth Sciences, 1988-90 • Committee Experience: Professional societies (national and international); planning (national and regional); University and Faculty, Wellington Conservation Board. NZ Conservation Authority
Publications	<ul style="list-style-type: none"> • 53 refereed papers in journals • 6 books/monographs, e.g.: <ul style="list-style-type: none"> ○ Landslides: Causes, Consequences and Environment. ○ Natural Hazards in New Zealand (editor) ○ Natural hazards 90 (editor) ○ Magnitude and frequency (editor) ○ Landslide hazard and Risk (Wiley, 2005) • 21 chapters in books • 44 Research, consulting, and technical reports. • 50 conference papers
Professional Affiliations	<ul style="list-style-type: none"> • NZ Geographical Society • NZ Hydrological Society • NZ Geotechnical Society • Royal Society of New Zealand • Australia and NZ Geomorphology Group • International Assoc. of Engineering Geologists • International Assoc. of Geomorphologists

Representative Consulting

- Review and evaluation of the programme to investigate environmental impact of mining waste on the Fly River, Papua New Guinea. (PNG Govt.)
- Research on the impact of mining waste on the Nepoui River, New Caledonia. (ORSTOM)
- Review of slope stability investigations, Tuapeka hydro development. (ECNZ).
- Overview of land instability in the Waikato Region (with C. J. Graham) for Environment Waikato (1993).
- Peer review, Taranaki Regional Council Policy statement, Natural hazards.
- Natural Hazard and Risk Study, Marlborough District Council. Principal Investigator. (1999)
- Quantitative Risk Assessment landslides, Hong Kong, Halcrow Asia Partnership. Peer reviewer (1999)
- Peer review GNS research, eg. Geohazards on proposed transmission Gully and the Western Corridor highways. (2005)
- Research report on natural hazard management. With Tonkin and Taylor Ltd; for Ministry for Environment (2006).
- Invited (Sept.2006) to workshop to establish international standards for landslide hazard and risk assessment IAEG (Spain)

Board positions

- Executive - School of Earth Sciences, Victoria University (current)
- Wellington Conservation Board (1996-2004): convener of Conservation Management strategy monitoring group
- IGU Commission on Natural Hazards (corresponding)
- Environment commissioner, Wellington Regional council (2003-2005).
- NZ Conservation Authority (2005-09).
- Vice president, International Assn. of Geomorphologists (Current).
- President NZ geographical Society (current)

Awards

- US Government Student Leader Award, USA (1968)
- Fulbright Research Scholar, USA (1982)
- 6 funded invitations to international meetings.
- Visiting Professor, Jena University, Germany. (1993)
- Leverhulme Fellowship, Centre for Advanced Studies, University of Bristol (1997-1998)
- Visiting Professorial fellow, University of Durham (2003).

Research Profile

Thirty years experience in research in developed and developing countries. Research specialties include:

- geomorphology;
- slope stability / landslides and climate;
- river stability;
- erosion;
- natural hazards and risk;
- human impacts on natural systems.

Currently involved in the research on landslide risk, slope hydrology, climate and landslide initiation, landslide runout, landslide susceptibility, and human response to hazard zonation.

Other recent research areas include:

- slope failure mechanisms;
- subsurface hydraulic erosion and piping;
- landslide prediction;
- earthquake triggered landslides;
- tsunami occurrence
- natural hazards; and,
- instability of fluvial systems

Research methodologies employed:

- geomorphological interpretation and mapping;
- slope stability analysis and landslide hazard assessment;
- natural hazard and risk assessment;
- erosion monitoring, prediction and modelling;
- hydrological, land survey and monitoring techniques;
- GPS and GIS
- statistical, laboratory, modelling and computer techniques; and,
- Translating science to resource management.

Publications

Books / Monographs / Edited Special issues of Journals

- Glade, T and Crozier, M. J. (Editors), 2008. Landslide geomorphology in a changing world. Special Issue, *Geomorphology* (in press).
- Glade, T., Anderson M.G. and Crozier, M.J. (Editors), 2005. *Landslide Hazard and Risk*. John Wiley and Sons, London. ISBN: 0-471-48663-9. 802 pp.
- Crozier, M. J. and Mausbacher, R. (eds.) 1999. *Magnitude and Frequency in Geomorphology*. Zeitschrift für Geomorphologie, Supplementband 115. Gerbruder Borntraeger, Berlin: 217pp.
- Crozier, M. J. and Mausbacher, R. (1997). Report of the working group on Frequency and Magnitude in Geomorphology, together with committee on Process Measurement and Standardisation. International Association of Geomorphologists. pp 38.

- Crozier, M. J. (Editor) 1991. *Natural Hazards 90: Natural Hazard Assessment in New Zealand*, Research School of Earth Sciences, Victoria University of Wellington, 114 pp.
- Crozier, M. J. (Editor). 1991. *Geomorphology in Unstable Regions*. Special Issue *Catena*, 18(5), Oct, 1991.
- Crozier, M. J., 1989 *Landslides: Causes, Consequences and Environment*. 252 pp: Routledge, London. (reprint)
- Crozier, M. J., 1986. *Landslides: Causes, Consequences and Environment*. Croom Helm, England. 1986. 252 pp.
- Speden, I. and Crozier, M.J. (Editors), 1984. *Natural Hazards in New Zealand*, UNESCO, N.Z., 500 pp.

Contributions to Books

- Crozier, M. J. and Preston N.J., 2009. Astride a plate Boundary: Wellington's tectonic landscape. In Migon, P. (Ed.) *Great Geomorphological Landscapes of the World*. Springer Verlag (in Press).
- Crozier, M. J. (Ed.) 2008. 'The Land Strikes Back', Chapter 8. In: *A Continent on the Move: New Zealand Geoscience into the 21st Century*, Graham, I. J. (Ed.) Geological Society of New Zealand, Miscellaneous Publication 124: 77-205.
- Crozier, M. J. Hancox, G., and Dellow, G., and Perrin, N., 2008. 'Slip sliding away' Landslides and landslide hazard. In: *A Continent on the Move: New Zealand Geoscience into the 21st Century*, Graham, I. J. (Ed.) Geological Society of New Zealand, Miscellaneous Publication 124: 198-201.
- Crozier, M. J., Hardenbicker, U. and Gomez, B., 2008. Physical Landscape. In: Gomez, B and Jones III, J. P., (Eds.,) 2008. *Research Methods in Geography: a First Course*. Blackwell (in press).
- Crozier M. J., 2007. 'Landslides' In *Life on the edge: New Zealand's Natural Hazards and Disasters*. David Bateman Ltd : 116-129.
- Crozier, M. J., 2006. Landslides. In: *Te Ara: On line Encyclopaedia of New Zealand*. Ministry for Culture and Heritage. <http://www.teara.govt.nz/EarthSeaAndSky/NaturalHazardsAndDisasters/Landslides/en>
- Crozier, M. J. and Glade, T., 2005. Landslide hazard and risk: concepts and approach. In: Glade, T., Anderson, M. G., Crozier, M. J., (Eds.). *Landslide Hazard and Risk*, Chapter 1. Wiley, London: 1-40.
- Glade, T and Crozier, M. J., 2005. The nature of landslide hazard impact. In: Glade, T., Anderson, M. G., Crozier, M. J., (Eds.). *Landslide Hazard and Risk*, Chapter 2. Wiley, London: 43-74.
- Glade, T and Crozier, M. J., 2005. A review of scale dependency in landslide hazard and risk analysis In: Glade, T., Anderson, M. G., Crozier, M. J., (Eds.). *Landslide Hazard and Risk*, Chapter 3. Wiley, London: 75-138.
- Crozier, M. J., 2005. Management frameworks for landslide hazard and risk: issues and options. In: Glade, T., Anderson, M. G., Crozier, M. J., (Eds.). *Landslide Hazard and Risk*, Chapter 11. Wiley, London. 331-350
- Glade, T and Crozier, M. J., 2005. Landslide hazard and risk: concluding comment and perspectives. In: Glade, T., Anderson, M. G., Crozier, M. J., (Eds.). *Landslide Hazard and Risk*, Chapter 26. Wiley, London: 767-774.

- Crozier, M. J. 2003
 Hillslope Hollows. Volume 1: 521-534,
 Landslides. Volume 2: 605-608,
 Magnitude and frequency concept. Volume 2: 635-638,
 Slope stability. Volume 2: 969-970
 In Goudie, A. S. (Ed.) *The Encyclopedia of Geomorphology*. Routledge.
- Crozier, M. J. and G. Aggett. 2000. Wellington a hazardous place. In: McConchie, J., Winchester, D, and R. Willis (Eds.) *Dynamic Wellington*. Institute of Geography : 137-154.
- Crozier, M. J., 1999. 'Landslides'. In: M. Pacione (Ed.). *Applied Geography*. Routledge. London. Chapter 6: 83-94.
- Crozier, M. J. 1999 'Landslides'; 'Slopes'; 'Slope stability'. In: D. E. Alexander and R. W. Fairbridge (Eds.) *Encyclopedia of Environmental Science*. Kluwer Academic Publishers, Dordrecht, The Netherlands: 371-374, 561-562.
- Crozier, M. J., 1996. Magnitude/ frequency issues in landslide hazard assessment. In: Mausbacher, R. and Schulte, A. (Eds) *Beitrage zur Physiogeographie. Barsch Festschrift, Heidelberger Geographische Arbeiten. Heft 104 1996*, pp 221-236.
- Crozier, M. J., M. Gage, J.R. Pettinga, M.J. Selby and R.J. Wasson. 1992. *Stability of hillslopes* In: *Landforms of New Zealand*. Eds J. Soons and M.J. Selby, Second Edition, Longman, 1992, pp 63-90.
- Crozier, M. J., 1991. Landslide hazard in New Zealand. In: *Natural Hazards 90. Natural Hazard Assessment in New Zealand*. Ed. M.J. Crozier, 1991, pp 31-39.
- Crozier, M. J., 1990. Slope instability in Lowland Otago. In *Southern Landscapes: Essays in Honour of Bill Brockie and Ray Hargreaves*. Eds G. Kearsley and B. Fitzharris, pp 129-146.
- Crozier, M. J., 1989. Landslide hazard in the Pacific Islands. In *Landslides: Extent and Economic Significance*. Eds E.E. Brabb and B.L. Harrod, Balkema Rotterdam Publishing, pp 351-360.
- Crozier, M. J., 1984. Field assessment of slope instability, In *Slope Instability*. John Wiley & Sons Ltd (1984). Eds D. Brunnsden and D. Prior. pp 103-142.
- Crozier, M. J., Gage, M., Pettinga, J.R., Selby, M.J. and R.J. Wasson, 1982. The stability of hillslopes, Chapter 3. Eds J. Soons and M.J. Selby. *Landforms of New Zealand*, Longman Paul, pp 45-66.

Journal Publications / full papers published in Refereed Proceedings

- Crozier, M. J., 2008. Linking erosion with environmental and societal impacts in a rapidly changing environment. In: *Sediment Dynamics in Changing Environments*. Proceedings of a Symposium held in Christchurch, New Zealand, December 2008. International Association of Hydrological Science (IAHS) Publication 325.: 469-476.
- Marra, M. J., Crozier, M. J., and Goff J., 2008. Palaeoenvironment and biogeography of a late MIS 3 fossil beetle fauna from southern Taranaki, New Zealand. *J Quaternary Science*. DOI: 10.1002/jqs.1175

- Hardenbicker, U., Crozier, M. J. and Pott, A., 200?. The influence of rainfall and soil hydrology on pipeflow in steep pasture-covered hill country, New Zealand. *Earth Surface Processes and Landforms*, (accepted – in revision).
- Crozier, M. J., 2008. Landslide geomorphology: an argument for recognition. *Geomorphology* (In Press)..
- Hufschmidt, G. and Crozier, M. J., 2007. Evolution of natural risk: analysing changing landslide hazard in Wellington, Aotearoa / New Zealand. *Natural Hazards*. 45: 255-276, DOI 10.1007/s11069-007-9158-6.
- Kennedy, D. M., Tannock, K.L., Crozier, M. J., and Reiser, U., 2007. Boulders of MIS 5 age deposited by a tsunami on the coast of Otago, New Zealand. *Journal of Sedimentary Geology* 200 (3 & 4):222-231.
- Crozier, Michael, McClure, John, Vercoe, Jessica and Wilson, Marc, 2006. The effects of land zoning information on judgments about earthquake damage. *Area* 38 (2): 143-152.
- Crozier, M. J., 2005. Multiple-occurrence regional landslide events: hazard management perspectives. *Journal of the International Consortium on Landslides* 2(4): 245-256.
- Hufschmidt, G., Crozier, M. J., Glade, T., 2005. The Evolution of natural Risk; research frameworks and perspectives. *Natural Hazards and Earth Systems Science* 5: 375-387.
- Brooks, S., Crozier, M. J., Glade, T. and Anderson, M. G., 2004. Towards establishing climatic thresholds for slope instability: use of a physically-based combined soil hydrology-slope stability model *Pure and Applied Geophysics* 161(4): 881-905.
- Hancox, G. T., Cox, S. C., Turnbull, I. M., Crozier, M. J., 2004. Landslides and other ground damage caused by the Mw 7.2 Fiordland earthquake of 22 August 2003. Proceedings of The 9th Australia New Zealand Conference on Geomechanics, Auckland 8-11 February, 2004 NZ Geotechnical Society.
- Henrich, K and Crozier, M.J., 2003. A hillslope hydrology methodology for catchment scale slope stability analysis. *Earth Surface processes and Landforms* 29: 599-610
- Hardenbicker, U and Crozier, M. J., 2002. Soil pipes and slope stability. *Proceedings of the First European Landslide Conference Prague* , June 2002. Balkema: 565-570
- Korup, O., and Crozier. M. J. 2002. Landslide types and geomorphic impact on river channels, Southern Alps, New Zealand. *Proceedings of the First European Landslide Conference Prague* , June 2002. Balkema: 233-38.
- Brooks, S. M., Crozier, M. J. and Preston, N. J., and Anderson, M. G., 2002. Regolith evolution and the control of shallow translational hillslope failure: application of a 2-dimensional coupled soil hydrology-slope stability model, Hawke's Bay, New Zealand. *Geomorphology* 45 (3-4):165-179.
- Wilson, H. and M. J. Crozier. 2000. Quantitative hazard assessment: rainfall-triggered landslides. In: Bromhead, E, N. Dixon, and M-L Ibsen, (Eds), *Landslides in Research, Theory and Practice*. Thomas Telford, London, Volume 3: 1575-1580.
- McConchie, J.A., Hawke, R. M., Drost, F., Henrich, K., and Crozier, M. J., 2000 Real-time monitoring of soil moisture conditions and their control of slope instability. *Proceedings of the 20th New Zealand Geography Conference* : 212-218.

- Glade, T., Crozier, M. J. and P. Smith, 2000. Establishing landslide-triggering rainfall thresholds using an empirical antecedent daily rainfall model. *Journal of Pure and Applied Geophysics*.157:1059-1079.
- Preston, N. J. and Crozier, M. J. 1999. Resistance to shallow landslide failure through root-derived cohesion in east coast hill country soils, North Island, New Zealand. *Earth Surface Processes and Landforms* 24: 665-675.
- Crozier, M. J., 1999 Frequency and magnitude of geomorphic Processes . In: Crozier, M. J. & R Mausbacher (Eds), Magnitude and Frequency in Geomorphology. *Zeitschrift fur Geomorphologie Supplementbund*. 115: 35-50.
- Crozier, M. J. and T Glade, 1999. The frequency and magnitude of landslide activity. In: Crozier, M. J. & R Mausbacher (Eds), Magnitude and Frequency in Geomorphology. *Zeitschrift fur Geomorphologie Supplementbund*. 115: 141-155.
- Crozier, M. J. 1999 Prediction of climatically-triggered landslides - A test of the Antecedent Water status model. *Earth Surface Processes and Landforms* 24: 825-833.
- Crozier, M.J. and N.J. Preston, 1999 Modelling changes in terrain resistance as a component of landform evolution in unstable hillcountry. In: S. Hergarten and H.J. Neugebauer (Eds.), *Process Modelling and Landform Evolution*. Lecture Notes in Earth Sciences. Springer Verlag, 78: 267-284.
- Goff, J. Crozier, M. J. Sutherland, V. Cochrane, U and P. Shane), 1998. Possible tsunami deposits from the 1855 earthquake, North Island, New Zealand. In: Stewart, I and C. Vita-Finzi (Eds.) *Coastal Tectonics*. The Geological Society, Special Publication 133: 353-374.
- Glade, T and M. J. Crozier, 1998. Contributions to Devita, P. and P. Reichenbach, Rainfall-triggered landslides : a reference list . *Journal of Environmental Geology* , 35 (2-3): 219-233.
- Crozier, M J, 1997 The climate landslide couple: a Southern Hemisphere perspective. *Paleoclimate Research vol 19, ESF Special Issue 12, 1997::* 329-350
- Crozier, M. J., 1996. Runout behaviour of shallow, rapid earthflows. *Zeitschrift fur Geomorphologie, Supplementband* 105: 35-48.
- Crozier, M J & T. Glade, 1996. Towards a National Landslide Information Base for New Zealand. *New Zealand Geographer*, 52 (1), 1996: pp 29-40.
- Crozier M J, 1995. Mass movement: Concepts, Issues, and learning Activities. Seminar on Teaching of Geomorphology Singapore Ministry of Education, I AG SEA 1995: pp9; 12 figures.
- Crozier, M. J., 1995. Landslide hazard assessment: a review of papers presented to theme G4. In *Landslides*. Edited by D. Bell. *Proceedings of Sixth International Symposium on Landslides*, Christchurch, Vol 3 , 1995: 1843-1848.
- Crozier, M. J., Diemel, M.S. and Simon, J. S., 1995. Investigation of Earthquake Triggering for Deep-Seated Landslides, Taranaki, New Zealand. *Quaternary International*, 25, 1995, pp 65-73.
- Glade, T and M. J. Crozier, 1995. The current status of landslide information systems in New Zealand. *Proceedings of the 18th New Zealand Geography Conference*, Christchurch, August 1995: 153-158.
- Crozier, M J and N Preston, 1995. A landform model for eroding hill country. *Proceedings of the 18th New Zealand Geography Conference*, Christchurch, August 1995: 103.

- Crozier, M. J., 1993. Management issues arising from landslides and related activity. *New Zealand Geographer* 49 (1): 35-37.
- Xia Zhengkai, J. Bruce and Crozier, M. J., 1993. Comparative study of New Zealand loess with China loess (with), *Acta Geographica Sinica*, 48(2), 1993, pp 337-347.
- Crozier, M. J., 1992. Determination of paleoseismicity from landslides. In *Landslides*. Edited by D. Bell. *Proceedings of Sixth International Symposium on Landslides*, Christchurch, Vol 2 : 1173-1180.
- Crozier, M. J., 1992. Landslide hazard assessment: a review of 34 papers (theme report). *Proceedings of Sixth International Symposium on Landslides*, Christchurch, Vol 3 : 1843-1848.
- Crozier, M. J., 1991. The effect of scale on the locational controls of regolith landslides. *Proceedings of International First Regional Geomorphology Conference*, Ankara, Turkey, May 1991, 19, pp 47-58.
- Crozier, M. J. and B J Pillans, 1991. Geomorphic events and landform response in south-eastern Taranaki. *Catena*, 18(5), 1991, pp 471-487.
- Crozier, M. J., E. E. Vaughan and J.M. Tippet. 1990. Relative instability of colluvium-filled bedrock depressions. *Earth Surface Processes and Landforms*: 15(4), 1990, pp 329-339.
- The Terminology of 'Natural Hazard' Assessment, *N.Z. J. of Geography* 86 Oct 1988, pp 5-7.
- Iltis, J and Crozier, M. J., 1986. Conséquences géomorphologiques des crues cycloniques en Nouvelle-Calédonie. Le cas de la Rivière Nepoui. In: *Crues et Inondations* Commission d'Hydrologie Continentale, Strasbourg. Oct. 1986, pp 261-278.
- Grant G.E. Crozier, M. J., and F.J., 1984. Swanson An approach to evaluating off-site effects of timber harvest activities on channel morphology. *Proceedings of Symposium on Effects of Forest Land Use on Erosion and Slope Stability 7-11 May 1984, Honolulu, Hawaii*. Edited by C.L. O'Loughlin and A.J. Pearce pp 177-186.
- Crozier, M. J., 1983. Landslides in the urban environment. *Proceedings of the Symposium on Geomechanics in Urban Planning*, Palmerston North, April 1981. N.Z. Geomechanics Society and the N.Z. Planning Institute. *The Institution of Professional Engineers Proceedings of Technical Groups*, Vol. 19, Issue 2(G) 1983, pp 231-239.
- Crozier, M. J., 1981. The character of natural hazards in different physical and social settings. *Proceedings of Eleventh New Zealand Geography Conference*, Wellington, 1982, pp 106-109.
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- Crozier, M. J. Howorth, R. and I.J. Grant, 1981. Effects of tropical cyclone Wally in southeast Viti Levu, Fiji, Easter 1980, *Search*, 12(1-2), Jan-Feb 1981, pp 41-43.
- Crozier, M. J., 1981. A technique for predicting the probability of mudflow and rapid landslide occurrence. *Landslides and Mudflows, Reports on International Seminar, Oct 1981*, Alma Ata, USSR, UNESCO, Oct 1981, pp 420-430.

- Crozier, M. J., Eyles, R.J., Marx, S.L., McConchie, J.A. and R.C. Owen. 1980. Distribution of landslips in Wairarapa hill country, *New Zealand Journal of Geology and Geophysics*, 23, 1980, pp 575-586.
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- Crozier, M. J. Eyles, R.J. and R.H. Wheeler, 1978. Landslips in Wellington, *N.Z. Geographer*, 34(2), 1978, pp 58-74.
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- Crozier, M. J., 1977. The status of reinforcement and stabilisation mechanisms in landform development, *Revue de Geomorphologie Dynamique*, 26(2), 1977, pp 67-70.
- Crozier, M. J., Marx, S.L. and I.J. Grant, 1977. Off-road vehicle recreation: the impact of off-road motorcycles on soil and vegetation conditions. *Proceedings of the Ninth New Zealand Geography Conference*, Dunedin, 1977, pp 76-79.
- Crozier, M. J., 1977. Energy planning undergoing change: New Zealand faces the energy crisis. *Development New Zealand, Pacific Viewpoint*, 18(2), 1977, pp 211-220.
- Crozier, M. J. 1975. Origin of the Peterborough Drumlin Field: testing the dilatancy theory, *Canadian Geographer*, XIX, 3, 1975, pp 181-195
- Crozier, M. J., 1975. Introduction to field study in a glaciated landscape, Monograph, *Journal of Ontario Geog. Teachers Assn*, (1), 1975, pp 10-12.
- Crozier, M. J., Eyles, R.J. and R.H. Wheeler, 1974 Landslides in Wellington City, *Soil and Water*, 11(2), 1974, pp 17-20.
- Crozier, M. J., 1973. Techniques for the morphometric analysis of landslips, *Zeit. Geomorph.*, 17(1), March 1973, pp 78-101.
- Crozier, M. J., Some problems in the correlation of landslide movement and climate, *International Geography 1972/La Geographie Internationale*, Part 1, Paper No. PO149, pp 90-93.
- Crozier, M. J., 1969. Earthflow occurrence during high intensity rainfall in eastern Otago (New Zealand), *Engineering Geology*, 3, 1969, pp 325-334.
- Crozier, M. J., 1968. Some problems in the geomorphic history of the Otago Peninsula, *Otago Geographer*, Vol 1(1) pp 35-41.
- Crozier, M. J., 1968. Some aspects of soil development in the Lower Routeburn Valley, *Science Record*, Vol 18, Aug. 1968, pp 55-56.
- Crozier, M. J., 1968. Earthflows and related environmental factors of Eastern Otago, *Journal of Hydrology (N.Z.)*, Vol 7(1), pp 4-12.
- Crozier, M. J., 1967. Landslides and the Dunedin district, *Science Record*, Vol 17, Aug. 1967, pp 9-11.
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Conference Papers / published abstracts

- Crozier, M. J. 2008. Linking erosion with environmental and social impacts: a question of sustainability in a rapidly changing environment. *Invited keynote address, International Symposium on Sediment Dynamics in changing Environments*. 1-5 December 2008, Christchurch New Zealand. International Association of Hydrological Sciences (IAHS).
- Crozier, M. J., 2008. Impact of global change on geomorphic systems, *Invited keynote address, Exploratory Workshop on Climate Change and Extreme Events in Mountain Regions. Romanian Academy. Brasov, Romania 15-26 Septemberr 2008*.
- Crozier, M. J. 2008. Linking erosion with environmental and social impacts: a question of sustainability in a rapidly changing environment. *Invited keynote address New Zealand geographical Society Conference. July 2008, Wellington*.
- Crozier, M. J., 2008 . Human Impact on geomorphic systems, *Invited Keynote Address. International conference on the Role Of geomorphology in Environmental management. Yogyakarta. 25-29 August 2008*
- Crozier, M. J., 2008. Four faces of Stratigraphic instability: divergent mechanisms of slope failure. Australia New Zealand Geomorphology Group. Program and abstracts, 13th Conference, Queenstown, Tasmania 10 – 15 February , 2008.
- Crozier, M. J., 2007. Increasing impacts from natural hazards: causes, solutions, and residual risk. *Invited Keynote address, International Conference, Managing Alpine Future. Austrian Academy of Sciences, University of Innsbruck, and AlpS. 15-17 October, 2007, Innsbruck. Abstracts p 24*.
- Crozier, M. J. 2006. Invited paper: Geomorphology and hazards. Presented to the workshop on Landslide Hazard Zonation. JT-1. International Association of Engineering Geology, IASME, IARM. 18-21 September, 2006 Barcelona Spain.
- Crozier, M. J., 2006. Invited paper: Warning signs in the landscape and natural hazards. *Proceedings, Seventh New Zealand Natural Hazards management Conference, Christchurch, New Zealand, 23-24 August 2006*. p14.
- Crozier, M. J., 2006 Challenges for the prediction of rainfall-triggered landslides. Symposium on Geomorphic Challenges for the 21st Century. International Geographic Union Regional conference, 3-7 July 2006, Brisbane.
- Preston, N. J. and Crozier, M. J., 2006. Multiple Occurrence regional Landslide Events as a Formative Geomorphic process. *ANZGG Occasional paper No. 4, The University of Auckland School of Geography and Environmental Science, Occasional Publication 47, ISBN 1-877320-20-X: ISSN 1175-8457: 42*.
- Hufschmidt, G. and Crozier, M. J., 2006. Landslide Risk Evolution: Concept and Application. *ANZGG Occasional paper No. 4, The University of Auckland School of Geography and Environmental Science, Occasional Publication 47, ISBN 1-877320-20-X: ISSN 1175-8457: 43*.
- Timmermann, A and Crozier, M. J., 2006. Application of GIS to Landslide Susceptibility Modelling, Waitaki Region, South Island, New Zealand. *ANZGG Occasional paper No. 4, The University of Auckland School of Geography and Environmental Science, Occasional Publication 47, ISBN 1-877320-20-X: ISSN 1175-8457: 71-72*.
- Hufschmidt, G. Crozier, M. and Glade T. Evolution of landslide risk in New Zealand. Abstract in: Giutierrez, F., et al, 6th International Conference on Geomorphology, Zaragoza, 7-11 Sept, 2005.

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