



# Darren Paul

*Engineering Geologist, Principal*

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## PROFESSIONAL SUMMARY

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Darren is an Engineering Geologist with 20 years' experience. He has undergraduate qualifications in civil engineering and geology and postgraduate qualifications in engineering geology. He has extensive experience in managing geotechnical investigations for buildings, roads, pavements and other infrastructure, developing ground models and undertaking assessment of ground related hazards, principally landslides.

Throughout his career Darren has been involved in slope stability assessments for many different applications including for town planning, roads, rail, coasts and pipelines. He has been an RMS accredited assessor for over 10 years and has undertaken in excess of 150 slope risk assessments for road batters in Queensland, New South Wales and Victoria. Darren has published and presented peer reviewed papers on planning for landslides and is regularly called on to provide peer review of geotechnical and landslide risk assessments associated with planning applications. He is the manager and instructor of the Australian Geomechanics Society Applied Landslide Risk Assessment course and active within the landslide assessment community within Australia.

Darren has consulted to state and local government on landslide planning issues for 19 years, advising on planning schemes for landslides, emergency response and landslide management. Much of his work has been related to coastal instability along the Victorian Coastline.

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## EMPLOYMENT HISTORY

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### **Golder Associates**

Principal Engineering Geologist (January 2007 – Present)  
Geotechnical Group Leader (January 2008 to March 2013)

Project Manager for a variety of geotechnical projects within Australia and the Middle East, including high rise structures, landslide risk assessment and slope stabilization. Tasks include client liaison, design of geotechnical investigations, engineering analysis and provision of recommendations. As geotechnical team leader, manager of 54 people of all levels. Active role in development of training program for graduate staff.

### **Golder Associates**

Engineering Geologist (December, 1999 to December, 2006)

Site geologist for geotechnical site investigations. Conducted geotechnical investigations for a variety of projects in Australia and South East Asia and the Middle East. Extensive experience in field investigation of soil and rock, groundwater sampling and testing, geological mapping and construction inspection. Junior project manager involved in organising site investigation work, preparing technical reports, undertaking engineering analysis and design.

### Education

Master of Science in Engineering Geology (Distinction), Imperial College, London, 2004

Diploma of Imperial College, London, 2004

Bachelor of Engineering (Civil) (Hons 1) University of Melbourne, 1999

Bachelor of Science (Geology) University of Melbourne, 1999

### Certifications

Chartered Professional Engineer

Chartered Geologist Geological Society of London, Fellow

Institution of Engineers Australia, Fellow

International Association of Engineering Geology, Member

Australian Geomechanics Society, Past National Chair

Monash University, Teaching Fellow

Registered Engineer PNG

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## **PUBLICATIONS**

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Albrecht, R.A., Tutton, M.A., Paul, D.R., Bohra, N. Managing Geotechnical Risk at an LNG Development in Papua New Guinea., Proceedings of World Gas Congress, Paris, 2015.

Benson, N.D., Haberfield, C.M., Paul, D. Geotechnical Design and Construction of Invert Anchors Proceedings of the 12th Australian Tunnelling Conference, 2005.

Gniel, J., Lenthall, C., Paul, D. Recent Experiences with soil nailing in deep cuts as part of level crossing removal works in Melbourne, Australian Geomechanics, Vol 54, No.1 March 2019.

Haberfield, C.M., Paul, D.R., Ervin, M.C., Chapman, G.C., Cyclic loading of barrettes in soft calcareous rock using Osterberg Cells, Frontiers in Offshore Geotechnics, Gourvenec and White (eds.), Balkema, 2011.

Haberfield, C.M., D.R. Paul and M.C. Ervin. Geotechnical design for the Nakheel Tall Tower. ISSMGE Bulletin, Vol 2, Issue 4, pp. 5-9, 2008.

Miner, A.S., Paul, D.R., Parry, S., Flentje, P. What does Hazard mean? Seeking to provide further clarification to commonly used landslide terminology, Proceedings of the 12th Congress of the IAEG, Torino, 2014.

Parry, S., Baynes, F.J., Culshaw, M.G., Eggers, M., Keaton, J.F., Lentfer, R., Novotny, J., Paul, D. Engineering Geological Models: IAEG Commission 25, Bulletin of Engineering Geology and the Environment, Vol 73, 3, 2014, pp. 689 - 706.

Paul, D.R., Miner, A.S., Fifteen years of slope stability and risk assessment for local government planning in Victoria, a discussion of common mistakes and shortcomings, Australian Geomechanics Society Victoria Symposium, Melbourne 2016.

Paul, D.R., Barrett, S., Stewart, P.S., Webster, M.W., The Geological Evolution of the Jolimont Valley, Melbourne, Victoria, Australian Geomechanics, Vol. 49, No 2, June 2014. (winner Australian Geomechanics Award for best paper, 2014)

Paul, D.R., Skelley, M., Daniel, G., Sinkhole formation in central Victorian alluvial gold mining areas, Proceedings of the 11th Australia New Zealand Conference on Geomechanics, 2012.

Paul, D.R., C.M. Haberfield and M.C. Ervin. Laboratory and in situ stiffness assessment in weak carbonate rock, Dubai, UAE. Proceedings of the 11th Congress of the IAEG, 444, 2010.

Paul, D.R., Haberfield, C.M., Foundation Investigation in Weak Slaking Rock, Darwin Australia, Australian Geomechanics Society, Foundation Symposium, Sydney 2008.

Paul, D.R., Ervin, M.C., Haberfield, C.M., Landslide Risk Assessment for Residential Dwellings on Known Landslides, Proceedings of the 10th Australia New Zealand Conference on Geomechanics, 2007.

Paul, D., Barrett, S., Jones, T., Bennett, A., Development of Geotechnical Units and Geotechnical Design Parameters for the Melbourne Formation, 16th Australasian Tunnelling Conference, Sydney, 2017.

Srithar, S., Paul, D., Settlement behaviour of a mined, waste backfilled site, Proceedings of the 19th International Conference on Soil Mechanics and Ground Engineering, Seoul, 2017.