

Commission C25: References

Aldiss, D. T., Black, M. G., Entwisle, D. C., Page, D. C & Terrington, R. L. 2012, Benefits of a 3D geological model for major tunnelling works: an example from Farringdon, east-central London. UK. Quarterly Journal of Engineering Geology and Hydrogeology, 45, 405-414.

Bandis, S. C., Sharp, J. C., Mackean, R. A. & Bacasis, E. A. 2011. Explicit characterisation and interactive analysis for engineering design of rock caverns. In: Proceedings of the Joint Hong Kong Institute of Engineers – Hong Kong Institute of Planning Conference on Planning and Development of Underground Space. Hong Kong Institute of Engineers and Hong Kong Institute of Planners, 133-142.

Baynes, F. J. 1999. Engineering Geological Knowledge and Quality, Proceedings of the Eight Australia New Zealand Conference on Geomechanics, Hobart, Vitharana & Colman (eds) Vol 1 pp 227 – 234, Institution of Engineers Australia.

Baynes, F. J. & Rosenbaum, M. 2004. Discussions arising from the 1st Hans Cloos Lecture, by John Knill. Bulletin of Engineering Geology and the Environment, 63, 89-90.

Baynes, F. J., Fookes, P. G. & Kennedy, J. F. 2005. The total engineering geology approach applied to railways in the Pilbara, Western Australia. Bulletin of Engineering Geology and the Environment, 64, 67-94.

Baynes, F. J. 2010. Sources of geotechnical risk. Quarterly Journal of Engineering Geology and Hydrogeology, 43, 321-331.

Culshaw, M. G. 2005. From concept towards reality: developing the attributed 3D geological model of the shallow subsurface. Quarterly Journal of Engineering Geology and Hydrogeology, 38, 231-284.

Fookes, P. G. 1997. Geology for engineers: the geological model, prediction and performance. Quarterly Journal of Engineering Geology and Hydrogeology, 30, 293-424.

Fookes, P. G., Baynes, F. J. & Hutchinson, J. N. 2000. Total geological history: a model approach to the anticipation, observation and understanding of site conditions. In: Proceedings of the International Conference on Geotechnical and Geological Engineering, Melbourne, Australia. Technomic Publishing Co, Lancaster, Pennsylvania, USA. 1, 370-460.

Fookes, P. G. & Shilston D. T. 2001. Building the geological model: case study of a rock tunnel in SW England. In: Griffiths, J. S. (ed.) Land Surface Evaluation for Engineering Practice. Geological Society, London, Engineering Geology Special Publication, 18, 123-128.

Harding, C. 2004. Site investigation and site conceptual models. The link between geology and engineering. In: Jardine, R. J., Potts, D. M. & Higgins, K. G. (eds), Advances in Geotechnical Engineering: The Skempton Conference. Thomas Telford. London. 2, 1304-1315.

Kessler, H, Mathers, S, Sobisch, H. G. 2009 The capture and dissemination of integrated 3D geospatial knowledge at the British Geological Survey using GSI3D software and methodology. Computers and Geosciences, 35 (6). 1311-1321

Knill, J. L. 2003. Core values: the First Hans Cloos Lecture. Bulletin of Engineering Geology and the Environment, 62, 1-34.

McLelland, C.V. 2006. The Nature of Science and the Scientific Method. The Geological Society of America, Boulder, Colorado.

Moon , A. T., Wilson, R. A. & Flentje, P. N. 2005. Developing and using landslide frequency models. In: Hungr, H., Fell, R., Couture, R. & Eberhardt, E. (eds), Proceedings of the International Conference on Landslide Risk Management, Vancouver. A. A. Balkema, Lieden. 681-690.

Moores, E. M. & Twiss, R. J. 1995. Tectonics. W. H. Freeman & Co., New York.

Mossman, D. J. Gauthier-Lafaye, F., Dutkiewicz, A. & Brüning, R. 2008. Carbonaceous substances in Oklo reactors — analogue for permanent deep geologic disposal of anthropogenic nuclear waste. Reviews in Engineering Geology, 19, 1-13.

Morgenstren N. R. & Cruden D. M. 1977. Description and classification of geotechnical complexities. In: Proceedings of the International Symposium on the Geotechnics of Structurally Complex Formations, Associazione Geotecnica Italiana, Rome, 2, 195-204.

Muller L. & Fecker E. (1979). Experience in Site Investigation for Dam Construction, Bulletin of the International Association of Engineering Geology, No 20, pp 51 – 58.

Munsterman, W. P., Ngan-Tillard, D. J. M. & Venmans, A. A. M. 2008. Total engineering geological approach applied to motorway constructions on soft soils. In: Proceedings of the 2nd European Regional Conference of the

International Association of Engineering Geology and the Environment (EuroEnGeo 2008), Madrid, Spain.
Asociación Española de Geología Aplicada a la Ingeniería, Madrid. CD-ROM paper No. 042, 9p.

Schumm, S.A. 1991. To Interpret the Earth: Ten ways to be wrong. Cambridge University Press

Sheehan, B., Topham, C., White, A., Lagden, R. 2010. Towards Understanding a Karst Foundation: Use of a Three Dimensional Foundation Model at Darwin Dam. ANCOLD Conference Proceedings 2010.

Stapledon, D. H. 1982. 'Subsurface engineering - in search of a rational approach'. Australian Geomechanics News, 4, 26-33

Sullivan, T. D. 2010. The geological model. In: Williams, A. L., Pinches, G. M., Chin, C. Y., McMorran, T. J. & Massey, C. I. (eds), 'Geologically active.' Proceedings of the 11th Congress of the International Association for Engineering Geology and the Environment, Auckland, New Zealand. CRC Press, London, 155-170.

Turner, S. & Dearman, W. R. 1980. The early history of geological models. Bulletin of the International Association of Engineering Geology, 21, 202-210.

Varnes, D. J, 1974. The logic of geological maps, with reference to their interpretation and use for engineering purposes. United States Geological Survey, Washington. Professional Paper 837