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EDUCATION:

- 2006-2011 **Ph.D.**, Structures and Mechanics, School of Civil & Environmental Engineering, **Nanyang Technological University**, Singapore
Dissertation Title: Three Dimensional Numerical Manifold Method and Rock Engineering Applications
Supervisor: Prof. Ma, Guowei (Nanyang Technological University & The University of Western Australia)
- 2005 -2006, **M. Sc.**, Civil Engineering, School of Civil & Environmental Engineering, **Nanyang Technological University**, Singapore
- 2000 -2004 **B.Eng.**, Ocean and Naval Engineering, School of Civil Engineering, **Tianjin University**, Tianjin, PRC

SELECTIVE JOURNAL PULICATION:

- He L., and Ma G.W. (2011), "A contact strategies applied to 3-D implicit Numerical Manifold Method", International Journal for Numerical Methods in Engineering, Under reviewing.
- He L., and Ma G.W. (2011), "A new developed method to hard-rock slope stability analysis - 3-D Numerical Manifold Method", International Journal for Numerical Methods in Engineering, Under reviewing.
- He L., and Ma G.W. (2010), "Development of 3-D numerical manifold method", International Journal of Computational Methods, 7(1):107-129.
- Ma G.W., An X.M., He L. (2010), The numerical manifold method-A Review. International Journal of Computational Methods, 7(1): 1-32.
- Fu G.Y., He L., Ma G.W. (2010), 3-D rock mass geometrical modeling with arbitrary discontinuities, International Journal of Applied Mechanics, 2(4): 871-887.
- Huang X., He L., Ma G.W., (2010). Damage assessment of underground structures by considering complex soil-structure interactions. School of Civil and Environmental Engineering, Journal of Performance of Constructed Facilities.(Accepted).

PROFESSIONAL EXPERIENCE:

- Aug.2010-Present **Research Fellow**, in Division of Structures and Mechanics, School of Civil & Environmental Engineering, Nanyang Technological University, Singapore
- Aug.2006-Present **Research Member**, in MINDEF-NTU Protective Technology Research Centre, Underground Technology and Rock Engineering (UTRE) Research Program
- Feb.2008-Dec.2009 Teaching Duty on Course: Engineering Drawing and Measurement (CV2901)
- Feb.2008-Dec.2009 Teaching Duty on Course: Laboratory 1A (FE1071)

PRPJECT REPORT:

- Shi Gen-Hua, He L., An X.M., Gu J., Shao Z. S., Ma G.W., Shi G.B. Slope Stability Analysis of Bakun Project, Report to Northwest Investigation Design and Research Instit., April 5, 2008.