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EDUCATION DETAILS

2010-2014: Ph.D. in Rock Mechanics, Swiss Federal Institutes of Technology in Lausanne (EPFL).

2007-2010: M.Sc. in Geotechnical Engineering, Shandong University & Hong Kong PolyU, China.

2003-2007: B.Eng. (Hons.) in Geological Engineering, Southwest Jiaotong University, China.

PROFESSIONAL DETAILS

2015: Lecturer. Department of Civil Engineering, Monash University, Australia.

2014-2015: Postdoctoral Researcher. EPFL & Cavendish Laboratory, University of Cambridge.

2010-2013: Research Assistant. Swiss Federal Institutes of Technology in Lausanne.

2009-2010: Research Assistant. The Hong Kong Polytechnic University, China.

SELECTED PUBLICATIONS

[1] **Q.B. Zhang**, J. Zhao, C.H. Braithwaite, S.L. Xu, A.P. Jardine and J.E. Field, Plate Impact Experiments and Shock Response of Rock Materials to 20 GPa. *Annual Review of Earth and Planetary Sciences*, submitted.

[2] **Q.B. Zhang**, C.H. Braithwaite, J. Zhao, A.P. Jardine and J.E. Field, Shock Compression of Rock Materials using Plate Impact Techniques. *International Journal of Rock Mechanics and Mining Sciences*, submitted.

[3] **Q.B. Zhang**, J. Zhao and Z.Q. Yin, Shear Strength and Hugoniot Elastic Limit in Shock-Loaded Rock Materials. *Rock Mechanics and Rock Engineering*, submitted.

[4] **Q.B. Zhang** and J. Zhao, Quasi-static and Dynamic Fracture Behaviour of Rock Materials: Phenomena and Mechanisms. *International Journal of Fracture*, 2014, 189(1): 1-32.

[5] **Q.B. Zhang** and J. Zhao, A Review of Dynamic Experimental Techniques and Mechanical Behaviour of Rock Materials. *Rock Mechanics and Rock Engineering*, 2014, 47(4):1411-1478.

[6] **Q.B. Zhang** and J. Zhao, Effect of Loading Rate on Fracture Toughness and Failure Micromechanisms in Marble. *Engineering Fracture Mechanics*, 2013, 102:288-309.

[7] **Q.B. Zhang** and J. Zhao, Determination of Mechanical Properties and Full-field Strain Measurements of Rock Material under Dynamic Loads, *International Journal of Rock Mechanics and Mining Sciences*. 2013, 60:423-439.

[8] **Q.B. Zhang** and W.S. Zhu, Design and Application of Mini Multi-point Extensometer in the Geomechanical Model Test of Underground Cavern Group. *Rock and Soil Mechanics*, 2011, 32(10):3342-3347.

[9] **Q.B. Zhang**, W.S. Zhu, L.F. Sun and L. Zhang, Application of Displacement Measurement Methods in Geomechanical Model Testing of an Underground Cavern Group for Hydropower Station, *Journal of Hydraulic Engineering*, 2010, 41(9):1087-1093.

[10] W.S. Zhu, **Q.B. Zhang**, H.H. Zhu, Y. Li, J.H. Yin, S.C. Li, L.F. Sun and L. Zhang, Large-scale Geomechanical Model Testing of an Underground Cavern Group in a True Three-dimensional (3-D) Stress State. *Canadian Geotechnical Journal*, 2010, 47(9):935-946.