

45 Prof. Huiming Tang



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Education

B.A. Engineering Geology, China University of Geosciences, Wuhan, China, 1982

M.A. Engineering Geology, China University of Geosciences, Wuhan, China, 1988

Ph.D. Engineering Geology, China University of Geosciences, Wuhan, China, 1992

Work Experience

Lecturer, University of Science and Technology of China, 2001-2003

Associate Professor, University of Science and Technology of China, 2004-2007

Professor, University of Science and Technology of China, 2008-present

Research Interests

Fracture mechanics of rock, Engineering geology numerical simulation, Geological hazard prevention and control

Services & Awards

Deputy chief editor of 《Geological Science and Technology Information》,

Board member: 《Journal of Earth Science》、《Journal of Engineering Geology》、《Hydrogeology and Engineering Geology》、《Rock and Soil Mechanics》、《Chinese Journal of Rock Mechanics and Engineering》、《Journal of Geological Disaster Prevention》、《Journal of Geological Hazards and Environment Preservation》、《City Investigation》、《Modern Geology》、《Geotechnical foundation》

Committee Responsibilities and Professional Activities

Deputy director of professional committee members

Deputy director of the Chinese society of rock mechanics and engineering ground committee

International engineering geological society of China's national team

International society for rock mechanics and engineering of China's national team

Deputy director of the geological society of hydrogeologic and engineering geological environment in the Hubei province

Major Publications

Lian, C., Zeng, Z., Yao, W., Tang, H. (2013). Displacement prediction model of landslide based on a modified ensemble empirical mode decomposition and extreme learning machine. *Natural Hazards*, 66(2), 759-771.

Kulatilake, P. H. S. W., Wang, L., Tang, H., Liang, Y. (2011). Evaluation of rock slope stability for yujian river dam site by kinematic and block theory analyses. *Computers & Geotechnics*,

38(6), 846-860.

- Ge, Y., Kulatilake, P. H. S. W., Tang, H., Xiong, C. (2014). Investigation of natural rock joint roughness. *Computers & Geotechnics*, 55(55), 290-305.
- Li, C., Tang, H., Ge, Y., Hu, X., Wang, L. (2014). Application of back-propagation neural network on bank destruction forecasting for accumulative landslides in the three gorges reservoir region, china. *Stochastic Environmental Research & Risk Assessment*, 28(28), 1465-1477.
- Li, C., Tang, H., Hu, X., Wang, L. (2013). Numerical modelling study of the load sharing law of anti-sliding piles based on the soil arching effect for erliban landslide, china. *Ksce Journal of Civil Engineering*, 17(6), 1251-1262.
- Tang, H., Li, C., Hu, X., Su, A., Wang, L., Wu, Y., et al. (2014). Evolution characteristics of the huangtupo landslide based on in situ tunneling and monitoring. *Landslides*, 12(3), 1-11.
- Zhang, G., Karakus, M., Tang, H., Ge, Y., Zhang, L. (2014). A new method estimating the 2d joint roughness coefficient for discontinuity surfaces in rock masses. *International Journal of Rock Mechanics & Mining Sciences*, 72, 191-198.
- Tang, H., Hu, X., Xu, C., Li, C., Yong, R., Wang, L. (2014). A novel approach for determining landslide pushing force based on landslide-pile interactions. *Engineering Geology*, 182, 15-24.
- Chen, H., Zeng, Z., & Tang, H. (2013). Landslide deformation prediction based on recurrent neural network. *Neural Processing Letters*, 41(2), 169-178.
- Tang, H., Li, C., Hu, X., Wang, L., Criss, R., Su, A., et al. (2014). Deformation response of the huangtupo landslide to rainfall and the changing levels of the three gorges reservoir. *Bulletin of Engineering Geology & the Environment*, 74(3), 1-10.
- Wang, H., Yan, T., Tang, H., Teng, W. (1999). Forecasting and decision-making of systematic theories for engineering geology in environmental geoscience. *Journal of China University of Geosciences*, 10(4), 327-328.
- Tang, H., Zhang, Y., Lu, C., Lin, S., Yu, L., Liu, Y., et al. (2010). Motion-compensated filtering of reference picture for video coding. *Society of Photo-Optical Instrumentation Engineers (SPIE) Conference Series (Vol.7744)*. Society of Photo-Optical Instrumentation Engineers (SPIE) Conference Series.
- Ni, W., Tang, H., Liu, X., Yong, R., Zou, Z. (2014). Dynamic stability analysis of wedge in rock slope based on kinetic vector method. *Journal of Earth Science*, 25(4), 749-756.
- Liu, J., Tang, H., Zhang, J., Shi, T. (2014). Glass landslide: the 3d visualization makes study of landslide transparent and virtualized. *Environmental Earth Sciences*, 72(10), 3847-3856.
- Eldin, M. A. M. E., Tang, H., Bahwi, N. H., Faraw, A. G. (2007). Geological, soil and rock mass evaluation for proposed hydroelectric power plant at sennar dam, sudan. *Journal of Applied Sciences*, 7(22).
- Tang, H., Zou, Z., Xiong, C., Wu, Y., Hu, X., Wang, L., et al. (2014). An evolution model of large consequent bedding rockslides, with particular reference to the jiweishan rockslide in southwest china. *Engineering Geology*, 186, 17-27.
- Tang, H., Xu, S. (1992). Detection of direction and wavelength of ocean wave by power spectrum of ocean wave image. *Iapr International Conference on Pattern Recognition, 1992. Vol.iii. Conference C: Image, Speech and Signal Analysis, Proceedings (pp.164-166)*. IEEE.
- Tang, H., Fan, M., Yu, L. (2012). Encoder-embedded temporal-spatial wiener filter for video encoding. *Picture Coding Symposium (pp.361 - 364)*. IEEE.

- Zhang, G., Xie, N., Tang, H., Zhang, L., Wu, J. (2015). Survey and cause analyses of ground surface deformation near a foundation pit slope: a case study in the three gorges area, china. *Natural Hazards*, 75(1), 13-31.
- Sun, G., Zheng, H., Tang, H., Dai, F. (2015). Huangtupo landslide stability under water level fluctuations of the three gorges reservoir. *Landslides*, 1-13.
- Ma, J., Tang, H., Hu, X., Bobet, A., Zhang, M., Zhu, T., et al. (2016). Identification of causal factors for the majiagou landslide using modern data mining methods. *Landslides*, 1-12.