

Curriculum Vitae

Zhiqiang Li



School of Civil Engineering
Shandong University
17923 Jingshi Road, Jinan, 250010
P.R China
Email: lzqhlxy@163.com
Mobile: +8615216402716

EDUCATION

Shandong University, Jinan, Shandong, China Ph.D. Candidate 2016-Pres.
Research Center of Geotechnical and Structural Engineering
Ph.D. Candidate of Bridge and Tunnel Engineering;

Sungkyunkwan University, Seoul, South Korean 07. 2017
(Exchange student for one month)

Shandong University, Jinan, Shandong, China M.S. 2014-2016
Research Center of Geotechnical and Structural Engineering
M.S. of Geotechnical Engineering

Shandong University, Jinan, Shandong, China B.S. 2009-2013
School of Civil Engineering

Tongji University, Shanghai, China 2012
School of Civil Engineering (Exchange student for one year)
B.S. of Urban and Underground Engineering

RESEARCH INTERESTS

New techniques and new methods of advanced prediction and treatment for bad geological structure in tunnels; Stability assessment and disaster prevention of steep slope; Nonlinear methods of evaluation and prediction for disasters in underground engineering.

RESEARCH EXPERIENCE

Research Center of Geotechnical and Structural Engineering, Shandong University

Research Assistant

- 6.2014-Present National Basic Research Program of China (973, No.2013CB036001) (6th Sub-Project): Disaster control theory and synergistic treatment technology.
- 6.2014-Present Outstanding Youth Science Foundation (51422904); Natural Science Foundation Project (51379112): Study the new methods, such as magnetic resonance sounding (MRS) and transient electromagnetic (TEM), to predict bad geological structures in tunnels.
- 6.2015-9.2016 Project of Menghua Railway: Key technology of early warning inrush of water and collapse in tunnel cross a karst area.
- 9.2016-Present Project of Xiamen subsea tunnel: Key technology of early warning inrush of water and collapse in subsea tunnel.
- 6.2014-6.2015 Using the discrete element method (UDEC) and physical model test method to investigate deformation features and the failure mechanism of the steep rock slope under mining activities and rainfall.

FIELD PRACTICE

- 6.2015-4.2016 Participated in the advanced prediction project of Menghua railway as one of the key personnel.
- 9.2016-1.2017 Participated in the advanced prediction project of Xiamen subsea tunnel as one of the key personnel.
- 3.2017-Present Participated in the advanced prediction project of Zhengwan High-speed railway as one of the key personnel.

HONORS & AWARDS

- 2017 The Academic Scholarship of Shandong University, The First Prize
- 2017 Excellent student cadre scholarship of Shandong University
- 2016 The Academic Scholarship of Shandong University, The First Prize
- 2016 Excellent student cadre scholarship of Shandong University
- 2014 Excellent League Member of Shandong University
- 2012 Second campus experience scholarship of Shandong University
- 2011 Second-class Scholarship of Shandong University

PUBLICATIONS

- ✓ **Li, Zhi-qiang**, Yi-guo Xue, Shu-cai Li, Le-wen Zhang, Dan Wang, Bin Li, Wen Zhang, Kai Ning, and Jian-ye Zhu. "Deformation features and failure mechanism of steep rock slope under the mining activities and rainfall.". *Journal of Mountain Science* 14, no. 1 (2017): 31-45.
- ✓ Xue, Yi-guo, **Li, Zhi-qiang**, Li, Shu-cai. Prediction of rock burst in underground caverns based on rough set and extensible comprehensive evaluation. *Bulletin of Engineering Geology and the Environment*, (2017): 1-13. (article in press)
- ✓ **Li, Zhi-qiang**, Zhou-Binghua. Comprehensive evaluation method of groundwater environment in a mining area based on fuzzy set theory. *Geosystem Engineering*, (2017).1-10.
- ✓ **Li, Zhi-qiang**, Yi-guo Xue, Shu-cai Li. AHP-Ideal Point Model of Large Underground Petroleum Storage Site Selection and Its Engineering Application. *Sustainability*.
- ✓ Xue, Yi-guo, **Li, Zhi-qiang**, Li, Shu-cai. Prediction of Subway Tunnel Collapse Risk Based on Delphi Method-Ideal Point Method and Advanced Geological Prediction. *Soil Mechanics and Foundation Engineering*. (article in press)
- ✓ Xue, Yiguo, **Li, Zhi-qiang**, et al. "Water inrush risk assessment for an undersea tunnel crossing a fault: An analytical model." *Marine Georesources & Geotechnology* (2018): 1-12. (article in press)
- ✓ Xue, Yiguo, **Li, Zhi-qiang**, et al. "Classification model for surrounding rock based on the PCA-ideal point method: an engineering application." *Bulletin of Engineering Geology and the Environment* (2018): 1-9. (article in press)

SOCIA ACTIVITIES

- ✓ "Deformation features and failure mechanism of steep rock slope under the mining activities and rainfall, a case study", in the 2017 annual meeting of national engineering geology, Oct. 29. 2017.

PERSON DETAILS

Date of birth: 14. Nov.1990
Sex: Male
Nationality: Chinese
Marital Status: Single

Health: Excellent