



# Xiao LI

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## **The Hong Kong Polytechnic University, 2016 – present**

- PhD student in construction information technology

## **Curtin University, Perth, Australia, 2015-2016**

- Research Associate in The Australasian Joint Research Center for BIM

## **Chongqing University, Chongqing, China 2013-2016**

- Master of Engineering in Management Science and Engineering

## **Chongqing University-Universiteit Antwerpen, Antwerpen, Belgium, 2013-2014**

- Master Minor Course in Logistics Engineering

## **Chongqing University, Chongqing, China 2009-2013**

- Bachelor of Engineering in Construction Management (Real Estate)

## **Supervisor**

Prof. Geoffery Qiping Shen

## **Area of Research**

- Automation & Robotics in Prefabricated Construction
- Building Information Modelling
- Augmented Reality

## **Research Scope**

Adopting the information technologies to improve the productivity of prefabricated construction

## **Research Methodology**

- Review (Scientometrics/Framework/Content Analysis)
- Simulation
- Experiment
- Machine Learning (e.g. SVM or Deep Learning Networks)

## **Prizes and Awards**

- Excellent Student Cadre of Chongqing City
- SYLFF Scholarship
- National Scholarship for Graduate Student
- National Scholarship
- China Construction Scholarship
- Tang Lixin Scholarship

- The 1st Prize in“ The KeHui Cup” Entrepreneurship Competition
- The 3rd Prize in“Challenge Cup:National Innovation and Entrepreneurship” Competition
- National Certified Constructor

## Publication List

- (1) **Li, X.**, Shen, G. Q., Wu, P., Fan, H., Wu, H., & Teng, Y. (2017). RBL-PHP: Simulation of Lean Construction and Information Technologies for Prefabrication Housing Production. *Journal of Management in Engineering*, 34(2), 04017053.
- (2) **Li, X.**, Wu, P., Shen, G. Q., Wang, X., & Teng, Y. (2017). Mapping the knowledge domains of Building Information Modeling (BIM): A bibliometric approach. *Automation in Construction*, 84, 195-206.
- (3) **Li, X.**, Yi, W., Chi, H. L., Wang, X., & Chan, A. P. (2018). A critical review of virtual and augmented reality (VR/AR) applications in construction safety. *Automation in Construction*, 86, 150-162.
- (4) **Xiao Li**, Geoffrey Qiping Shen, Clyde Zhengdao Li, Zhumin Hu. Foundation Deformation Monitoring and Forecasting using Multi-point Measuring based on Least Squares Support Vector Machine, *Structural Control and Health Monitoring*, Under Review
- (5) Teng, Y., **Li, X.**, Wu, P., & Wang, X. (2017). Using cooperative game theory to determine profit distribution in IPD projects. *International Journal of Construction Management*, 1-14.
- (6) Zhengdao Li, **Xiao Li**, Jingke Hong, Fan Xue, Geoffrey Qiping Shen. A platform for on-site assembly services of prefabricated construction: integration of Internet of Things and BIM technologies, *Automation in Construction*, Under Review
- (7) Wu, C., Xu, B., Mao, C., & **Li, X.** (2017). Overview of BIM maturity measurement tools. *Journal of Information Technology in Construction (ITcon)*, 22(3), 34-62. <http://itcon.org/paper/2017/3>
- (8) Liu, X., Wang, X., Wright, G., Cheng, J. C., **Li, X.**, & Liu, R. (2017). A State-of-the-Art Review on the Integration of Building Information Modeling (BIM) and Geographic Information System (GIS). *ISPRS International Journal of Geo-Information*, 6(2), 53. <http://www.mdpi.com/2220-9964/6/2/53/htm>
- (9) **Li, X.**, Xu, B., Teng, Y., Ren, Y. T., & Hu, Z. M. (2014, August). Comparative research of AR and VR technology based on user experience. In *2014 International Conference on Management Science & Engineering 21th Annual Conference Proceedings (pp. 1820-1827)*. IEEE.
- (10) Ningshuang Zeng, Y. L., **Li, X.**, & Xu, B. (2014). On-site construction management framework based on a real-time building information modeling system. *eWork and eBusiness in Architecture, Engineering and Construction: ECPPM 2014*, 95.
- (11) **Li, X.**, Gu, X., Teng, Y., & Li, P. (2015). Sustainable Supply Model Design of Public Rental Housing—Case Study of Chongqing. *Frontiers of Engineering Management*, 1(4), 410-416.

## Hobbies

Handwriting; Swimming; Table Tennis; Basketball; Badminton; Hiking