



**LI Yongkui**

Professor

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**EDUCATION BACKGROUND**

- 2015-2016: Visiting Scholar, the Vecellio Construction Engineering and Management Program (VCEMP) of Virginia Tech
- 2004-2007: PhD, Management science and engineering, Tongji University.
- 2001-2004: Master, Management science and engineering, Tongji University.
- 1996-2000: Bachelor, Construction management, Harbin Industrial University.

**RESEARCH FIELD**

- Mega/Complex Projects Management
- IT in Project Management (BIM)
- Engineering Organization Behavior and Organization Network
- Mega Projects Management Case Study ([www.mpcsc.org](http://www.mpcsc.org))

**TEACHING INTERESTS**

- Mega/Complex Projects Management
- IT in Project Management
- Engineering Organization Behavior and Organization Network
- Mega Projects Management Case Study ([www.mpcsc.org](http://www.mpcsc.org))

**WORK EXPERIENCE**

**Teaching Positions**

- 2010-Now: Dean assistant, Research Institute of Complex Project Management Institute
- 2007-Now: Professor, School of Economics and Management, Tongji University

**LANGUAGES**

- Chinese (mother tongue)
- English (excellent)

**Awards**

- 2015, National Engineering Consulting outstanding achievement award, second class

- 2014, Shanghai Engineering Consulting outstanding achievement award, First class
- 2014, National Teaching Achievement Award in Higher Education, second class
- 2013, Shanghai Teaching Achievement Award in Higher Education, First class
- 2011, Shanghai Science and Technology Progress Award, first class
- 2011, Science and Technology Progress Award of Jilin Province , second class
- 2010, Science and Technology Progress Award of Ministry of Education in China, second class
- 2010, Prize Winner of IPMA 2010 Project Excellence in Medium-Sized Projects
- 2010, China Project Management Achievement Award, CPMAA

## **RESEARCH**

### **Sponsored Research Projects**

- 2015-2018, Measure and optimization of the adaptability between organizational capacity and task allocation in complex projects, National Natural Science Funds
- 2014-2018, Mega Infrastructure Engineering Management Innovation Theory, Method and Application for China, sub-project "Organizational Behavior and Model Innovation for Mega Infrastructure Projects", Major Program of National Natural Science Foundation of China, Sub-project executive leader
- 2014, China commercial aircraft basic construction research, China's Commercial Aircraft Co., Ltd.
- 2013-2015, Major municipal engineering (Pudong middle ring) security management research, Pudong Construction Committee
- 2012-2014, Mega Projects Organization Social Structure, Behavior System and Flexible Governance, the Fundamental Research Funds for the Central Universities
- 2011-2013, Research on "Hidden" Emerging Model of Large Complex Project, National Natural Science Funds
- 2010-2012, Large Scale Construction Projects Organizational Control and Organization Adaptive Optimization Based on SNA, National Natural Science Funds for Young Scholar
- 2010-2012, Research on Synergetic Mechanism and Organization Integration of Large-Scale Complex Group Projects, National Natural Science Funds
- 2010.4-2010.5, International BBS of Complex Program (International Cooperation and Exchange Programs) ,National Natural Science Funds

### **Current Practice Projects**

- 2015.1-2017.12, BIM integrated practice in Shanghai Chest Hospital Research Center Building
- 2015.7-2016.1, Programme Management improved consulting for Shanghai Real Estate Group
- 2013.11-2014.5, Project planning for reconstruction of Oil City Square in Dongying City,

Shandong province

- 2013.9-2014.9, Third-party safe consulting for constructing Pudong section of Middle Ring Road in Shanghai
- 2013.6-2013.12, Construction management consulting for comprehensive improvement of Changchun city's infrastructure, Jilin province
- 2012.6-2013.12, Project management planning for construction of China commercial aircraft co., LTD's headquarter
- 2012.5-7, Investment estimate and capital balance for the construction and development of Guangxi Sport Industry City
- 2010.12-2011.4, Cost analysis and general control during life-circle construction for Wuxi (Taihu Lake) international science and technology park
- 2010.4-2011.1, Comprehensive infrastructure program management and controlling mechanism consulting in Changchun city
- 2008.7-2011.6, General project management for construction of Wuxi (Taihu Lake) international science and technology park
- 2007.11-2010.5, General project management for construction of Shanghai World Expo(2010)

## **Selected Publications**

### **Papers**

- Yongkui Li, Keyu Lu, Yujie Lu. Project Schedule Forecasting for Skyscrapers. ASCE's Journal of Management in Engineering. Published online: November 07, 2016 [http://dx.doi.org/10.1061/\(ASCE\)ME.1943-5479.0000498](http://dx.doi.org/10.1061/(ASCE)ME.1943-5479.0000498)
- Xian Zheng, Yun Le, Albert P.C. Chan, Yi Hu, Yongkui Li. Review of the application of social network analysis (SNA) in construction project management research. International Journal of Project Management. 2016. Vol.34 (7) :1214-1225
- Yujie Lu, Yongkui Li\*, Da Pang, and Yunxia Zhang. Organizational Network Evolution and Governance Strategies in Megaprojects Construction Economics and Building, 2015. 15(3), 16-30(corresponding author)
- Yongkui Li, Yujie Lu, Dongyu Li, Liang Ma. Meta-Network Analysis (MNA) for Project Task Assignment. ASCE's Journal of Construction Engineering and Management. Published on 22.June, 2015
- Yongkui Li; Yujie Lu; Young Hoon Kwak; Shuang Dong. Developing A City-Level Multi-project Management Information System for Chinese Urbanization. International Journal of Project Management. 2015.Vol33(3):510-527
- Yujie Lu; Yongkui L\*i; Mirosław Skibiewski; Zhilei Wu; Runshi Wang; Yun Le. Information and Communication Technologies (ICT) Applications in Architecture, Engineering and Construction (AEC) Organizations: A Fifteen-Year Review. ASCE's Journal of Management in Engineering,

[http://ascelibrary.org/doi/abs/10.1061/\(ASCE\)ME.1943-5479.2015](http://ascelibrary.org/doi/abs/10.1061/(ASCE)ME.1943-5479.2015).(corresponding author)

- Wang Yujing; Yongkui Li. Research on the SD Model of Parallel Project Construction Strategy. *Industrial Engineering and Management*, 2014.Vol19(6):63-69.In Chinese.
- Yongkui Li; Complicated Project Management, *Project Management Research Front and Trend*, Junying Liu editor, China City Press, 2014.3.pp:1-23. In Chinese.
- Yi Jiao, Shaohua Zhang, Yongkui Li\*, Yinghui Wang, Baoming Yang. Towards cloud Augmented Reality for construction application by BIM and SNS integration , *Automation in Construction*[J].2013.Vol33:37-47(SCI) (corresponding author)
- He, Q.H., Lu, Y.B., Li, Y.K., Luo, L., and Ren, J.S. Integrative Optimization of Mega Projects under the Different Condition of Complexity. *Journal of Industrial Engineering/Engineering Management*. October,2013.In Chinese.
- Yongkui Li, Yun Le, Qinghua He, Yujie Lu. Complex projects organization power quantification and empirical study based on SNA [J]. *Systems Engineering —Theory & Practice*.2012. Vol 32(2):312-318(EI, One of the core journals by National Natural Science Foundation Council). In Chinese.
- Dan Cong, Yongkui Li, Yun Le, Research on relationship government in organization network structure of urban infrastructure construction program, *Soft science*, admitted , planned to published in February 2012 . Vol.26(2):13-19. In Chinese.
- Yongkui Li , Yujie Lu , Young Hoon Kwak , Yun Le, Qinghua He, Social network analysis and organizational control in complex projects: construction of EXPO 2010 in China [J], *Engineering Project Organization Journal*, 2011. Vol4(1), 223-237
- Yongkui Li, Yujie Lu, Yi Peng, Hierarchical structuring success factors of project stakeholder management in the construction organization , *African Journal of Business Management* 2011.Vol. 5(22), pp. 9705-9713
- Yongkui Li, Yun Le, Yujie Lu. Large scale projects organization controlling mechanisms and empirical study based on SNA [J]. *Journal of Tongji University (Natural Science)*. 2011. Vol 39(11):1715-1719(EI No.:20120114659291). In Chinese.
- Yongkui Li, Yun Le, Yujie Lu, Large and complex projects organization social network model and empirical study, *Journal of Tongji University (Natural Science)*. 2011. Vol 36 (6):930-934(EI No.:20113714322660). In Chinese.
- Yujing Wang, Yongkui Li, A planning model of large complex construction projects based on system dynamics, *industrial engineering and management*, 2010.Vol 15(3):87-94(EI No. : 11948005, One of the core journals by National Natural Science Foundation Council). In Chinese.
- Yujing Wang, Yongkui Li, Study on multi-objective tradeoff optimization in green construction management of construction projects, *Computer Engineering and Applications*, 2010.Vol 46(10): 7-10 (EI No.:11815451. In Chinese.
- Hua Pan, Yongkui Li, Artificial neural network based accident control evaluation method for

construction projects, mathematics in practice and theory, 2010.Vol 40(8):52-58. In Chinese.

### **Books**

- “An Empirical Research Method Strategy for Construction Consulting Services Projects Designs”, Chapter in Methods and Practices for Research of Project Management, Gower, 2015
- Managing Complex Projects, [U.S.] Kathleen B.Hass,.Li Yongkui, The First Main Translation, Science Press,2014. In Chinese.
- Agent-based Model and Simulation,ABMS, [U.S.] Michael J.North Charles M.Mael,.Li Yongkui,The 3rd main translation, Science Press,2014. In Chinese.
- Complex Project Management , Chapter 1:Project Management Research Front and Trends, China City Press,2014. In Chinese.
- Li Yongkui, Study on Construction and Development of China's Skyscrapers, Beijing: China Architecture &Building Press, 2013.11. In Chinese.
- Yun Le, Li Yongkui, Construction Project Preliminary Planning, Beijing: China Architecture &Building Press, 2011.3. In Chinese.
- Qinghua He, Li Yongkui, etc., Project Management, general higher education “Eleventh Five-Year” national planning materials, Shanghai: Tongji University Press, 2011.6. In Chinese.
- Qinghua He, Li Yongkui, etc., Construction roject Management Information, project management professional series of text book recommended by RICS , Beijing:China Building Industry Press,2011.2. In Chinese.
- Mingwang Chen, Li Yongkui, Limin Ma, Public project management and evaluation, Shanghai: Tongji University Press, 2010.1. In Chinese.