

Yujie Lu

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EDUCATION

Faculty Research Assistant	Department of Civil & Environmental Engineering, A. James Clark School of Engineering, University of Maryland <i>Center for Excellence in Project Management, Supervisor: Dr. Qingbin Cui</i>	Maryland, US 2009,8-2011,8
Ph.D. Candidate	Department of Construction Management & Real Estate, School of Economics & Management, Tongji University <i>Master-to-Ph.D. Program in Construction Engineering & Management, Supervisors: Dr. Jingbo Jiang, Dr. Yun Le</i>	Shanghai, China 2006.9-2011,12
Visiting Ph.D. Student	Department of Building & Real Estate, The Hong Kong Polytechnic University <i>Supervisor: Dr. Li-Yin Shen</i>	Hong Kong, China 2010,6-2010,7
B. Eng.	School of Civil Engineering, Tongji University <i>Major in Civil Engineering, GPA 4.1/5</i>	Shanghai, China 2002.9-2006.6

RESEARCH INTERESTS

- Sustainability, climate change and energy efficiency in building and construction industry
- Project management with focus on: complexity, organization design and information system
- Construction economic analysis and project finance
- Front-end planning, risk management and large-scale projects

PUBLICATIONS

Peer-Reviewed Journals (including in review and preparation papers):

1. **Yujie Lu**, Xinyuan, Qingbin Cui (2011). "Effectiveness and Equity Implications of Carbon Policies In The US Construction Industry". Building and Environment. (ready for submission)
2. **Yujie Lu**, Qingbin Cui (2011). "National-level Infrastructure Condition Evaluation and US Report Card Case Study". Journal of Civil Engineering and Management. (ready for submission)
3. Yongkui Li, **Yujie Lu*** and Yi Peng (2011). "Hierarchical Structuring Success Factors of Project Stakeholder Management in the Construction Organization". African Journal of Business Management. (SSCI) (under review)
4. Lijian Chen, Qingbin Cui, **Yujie Lu** (2010). Highway Contractor's Rehabilitation Planning: A Robust Optimization Approach. Structure and Infrastructure Engineering. (SCI) (under revision)
5. Yelin Xu, **Yujie Lu***, Albert P.C. Chan, Miroslaw J. Skibniewski, John F.Y. Yeung (2010). "Computerized Risk Evaluation Model for PPP Projects and Its Application". Journal of Infrastructure Systems. (SCI) (under revision)
6. Hongping Yuan, Abdol R. Chini, **Yujie Lu*** (2010). "A Dynamic Model for Assessing the Effects of Management Strategies on the Reduction of Construction and Demolition Waste". Journal of Management in Engineering. (SCI) (under revision)
7. Yajun Zeng, **Yujie Lu**, and Miroslaw J. Skibniewski (2010). "Enterprise Resource Planning Systems for Project-Based Firms: Benefits, Costs & Implementation Challenges". PM World Tomorrow. (accept)

Conference Proceedings:

1. **Yujie Lu** and Qingbin Cui (2011). Financial Evaluation for Green Companies. 2011 Engineering Project Organization Conference (EPOC). (in process)
2. **Yujie Lu** and Qingbin Cui (2011). "Does Going Green Really Yield Better Financial Performance For Construction Companies?". 2011 Canadian Society for Civil Engineering (CSCE) Annual Conference, "Engineers – Advocates for Future Policy". Ottawa, Ontario. June 14-17, 2011. (EI) (accept)

3. **Yujie Lu** and Qingbin Cui (2011). “Corporate Sustainability Indicators: A Review and Framework for Construction Organizations”. International Conference on Sustainable Design and Construction (ICSDC), Kansas City, Missouri. March 23-25, 2011. (EI) (accept)
4. **Yujie Lu**, Qingbin Cui, Longquan Mao, Liang Chen (2011). “National-Level Infrastructure Risk Evaluation Framework and Best Practices”. 2011 ASCE International Conference on Vulnerability and Risk Analysis and Management (ICVRAM) and International Symposium on Uncertainty Modeling and Analysis (ISUMA) on uncertainty modeling and analysis. April 11-13, 2011; University of Maryland, USA (EI) (accept)
5. Sheng Luo, **Yujie Lu***, Yun Le, Yong Peng (2011). Design of Integrated Cost and Contract Management Information Systems For Mega Project. IEEE International Conference on E-Business and E-Government (ICEE2011). Shanghai, China. May 6-8, 2011. (EI) (accept)
6. Sheng Luo, **Yujie Lu***, Yong Peng, Yun Le (2011). Developing The Project Cost Integration, Analysis, And Reporting System. International Workshop on Architecture, Civil and Environmental Engineering(ACEE 2011). IEEE International Conference on Electric Information and Control Engineering (ICEICE 2011). Wuhan, China. Apr. 15-17, 2011. (EI) (accept)
7. **Yujie Lu**, Xinyuan Zhu, Qingbin Cui (2010). “Analyzing The impact of construction industry under potential carbon regulation policies”. 4th Annual Trans-Atlantic INFRADAY Conference on Applied Infrastructure Modeling and Policy Analysis "Network Modeling and Infrastructure Policy for the Long-Term" Resources for the Future, Washington, DC (USA), 05 November, 2010. http://www.tu-dresden.de/www/leeg/events/transatlantic_infraday/2010/program.html?10,4
8. Xinyuan Zhu, **Yujie Lu**, Qingbin Cui (2010). “Efficiency and Equity Implications of Carbon Tax in the Construction Industry”. Working Paper Proceedings. Engineering Project Organizations Conference (EPOC). Proceedings Editors: John E. Taylor, Paul Chinowsky, South Lake Tahoe, CA. November 4-7, 2010. http://academiceventplanner.com/EPOC2010/Papers/EPOC_2010_ZhuLuCui.pdf
9. Yongkui Li, **Yujie Lu*** (2009). “Complex Projects Organization Networking: Perspectives from Centrality , Centralization and Power”. Proceedings- 2010 International Conference on Management and Service Science, MASS 2010; ISBN: 978-1-4244-5325-2; DOI: 10.1109/ICMSS.2010.5577195; September 16, 2010 (EI: 20104813439120) http://ieeexplore.ieee.org/search/freesrabstract.jsp?tp=&arnumber=5577195&queryText%3DComplex+Projects+Organization+Networking%26openedRefinements%3D*%26searchField%3DSearch+All
10. Yongkui Li, **Yujie Lu*** (2009). “Social Network Model of Complex Projects Organization”. Proceedings – 2009 International Conference on Management and Service Science, MASS 2009; ISBN-13: 9781424446391; DOI: 10.1109/ICMSS.2009.5302507; September 20-22, 2009 (EI: 20100212629662) http://ieeexplore.ieee.org/search/freesrabstract.jsp?tp=&arnumber=5302507&queryText%3DSocial+Network+Model+of+Complex+Projects+Organization%26openedRefinements%3D*%26searchField%3DSearch+All
11. **Yujie Lu**, Qian Shi (2008). “Organizational Model Research for Multi-National Program Implementation-Based On World Expo Shanghai 2010 Construction Program Case Studies”, Proceedings of 2008 CIB W112 International Conference on Multi-National Construction Projects, Tongji University, Shanghai, China. November 21-23, 2008 <http://www.cmtongji.com/cibw112conf/news1.html>
12. Qinghua He, Liang Ma, **Yujie Lu** (2008). “Study on the Construction Programme Management of World Expo 2010 Shanghai China”, Proceedings of 2008 International Conference on Construction and Real Estate Management (ICCREM), Toronto, Ontario, Canada. Volume 1: 29-36 <http://www.china-building.com.cn/detail/10455.html>
13. Qinghua He, Yongkui Li, Yun Le, **Yujie Lu** (2008). ”Project Management in World Expo 2010 Shanghai China”, Proceedings of 22nd IPMA World Congress (ISBN 88-88198-14-8), 9 - 11 November 2008, Roma, Italy. Volume1: 507-512 <http://www.ipmaroma2008.it/speakers.php>
14. Qinghua He, **Yujie LU** (2008). “Research on owner’s project management in design period”, Project Management (ISSN1007-4104), Feb. 2008:4-9. (in Chinese) <http://www.cqvip.com/qk/97101X/200802/index.shtml>
15. **Yujie Lu** (2008). “Review on China’s construction contractor’s core competence”, Shanghai Construction Consulting, Feb. 2008: 4-7. (in Chinese) <http://www.scca.sh.cn/magshow.aspx?id=9>
16. **Yujie Lu** (2007). “How to cultivate company’s core competence”, Modern Business (ISSN 1673-5889), Nov. 2007:153. (in Chinese) <http://www.cqvip.com/qk/83634C/200733/index.shtml>

(Note: * stands for the corresponding author.)

RESEARCH PROJECTS

- “Research on Chinese Construction Risk Evaluation and Relevant Policies for Large-scale Public Buildings”. Funded by Ministry of Housing and Urban-Rural Development of China (Special topic for emergency management). Hosted by Southeast University, Maryland University, and Nanjing Construction Quality Supervision Bureau. 2009.6~2010.6.
- “Synergic mechanism and organizational integration for large-scale complex program management”. National Natural Science Foundation of China (Grant No. 70972071). Hosted by Dr. Qinghua He, Tongji University. 2010.1~2012.12.
- “Applying Social Network Analysis to organization controlling and its adjustment optimization for large-scale complex projects”, National Natural Science Foundation of China for young scholar (Grant No. 70902045). Hosted by Dr. Yongkui Li, Tongji University. 2010.1~2012.12.
- “Systematic control and key techniques for large-scale complex program management” Science and Technology Commission of Shanghai Municipality Fund (No. 08dz0580700). Hosted by Dr. Q. He, Tongji University. 2008.1-2009.6.

AWARDS & HONORS

- The Second-class Award of Science and Technology Progress Prize, Ministry of Education of The People’s Republic of China (No: 230). 2010.11 <http://www.cutec.edu.cn/cn/zxqz/2010/11/1287986597328543.htm>
- Research Assistant Scholarship. University of Maryland. 2009.9~2011.8
- State Scholarship Fund, Chinese Scholarship Council, 2009.9~2011.8
- PhD Fellowship, Tongji University, 2008~2011
- PhD Research Assistant & Teaching Assistant, Tongji University, 2008~2009
- Master Fellowship and RA, Tongji University, 2006~2008
- Undergraduate Outstanding Scholarship, Tongji University, 2005

TEACHING EXPERIENCE

- TA for ENCE 688Y Research Methodology Seminar, University of Maryland, Spring 2011
- TA for ENCE 422 Project Cost Accounting and Economics, University of Maryland, Spring 2010 and Fall 2010
- TA for ENCE688P Project Procurement Management, University of Maryland, Fall 2009
- TA for Construction Contract Management, Tongji University, Aug. - Dec., 2008
- TA for Project Management Information System, Tongji University, Aug. - Dec., 2008

BOOK WRITING ASSISTANCE

- **Managing Complex Projects: A New Model.** Translation into Chinese edition. 2010. (in process)
- **Introduction to Project Management,** Yun LE (Eds.). China Architecture & Building Press, 2008.11. ISBN: 978-7-112-10059-0/(16862) (in Chinese)
- **Construction Project Management,** Yun LE (Eds.). Wuhan University of Technology Press, 2008.9. ISBN: 978-7-5629-2674-0 (in Chinese)
- **Construction Project Front-end Planning,** Yun LE (Eds.). China Architecture & Building Press. (forthcoming) (in Chinese)

ACADEMIA SERVICES

- American Society of Civil Engineers(ASCE), Student Member (member No. 985201), 2009-present
- The Associated General Contractors of America(AGC), member (member ID: 200390163), 2009-present
- Royal Institution of Chartered Surveyors (RICS), Student member, 2008-present.
- Professional Risk Managers’ International Association(PRMIA), Student member, 2009-present

CONFERENCE & PRESENTATION

- Transportation Research Board (TRB) 90th Annual Meeting: Transportation, Livability, and Economic Development in a Changing World. Marriott Wardman Park, Omni Shoreham, and Washington Hilton hotels, Washington, D.C. January 23-27, 2011.
- Ecobuild America 2010: Sustainable, Green and High-Performance Solutions for the Built Environment. Sponsored by the National Institute of Building Sciences and produced by AEC Science & Technology. Washington Convention Center. Washington, D.C. December 6-10th, 2010.
- Washington D.C. Section Institute of Transportation Engineers (ECDSITE), November 2010 Meeting. Kim Engineering Building. University of Maryland, College Park, Maryland. November 15, 2010
- 4th Annual Trans-Atlantic INFRADAY Conference on Applied Infrastructure Modeling and Policy Analysis, "Network Modeling and Infrastructure Policy for the Long term". Washington, DC (USA), Friday, 05 November, 2010 (Presentation on the topic of 'Analyzing The Impact Of Construction Industry Under Potential Carbon Regulation Policies')
- PMI Global Congress 2010-North America. Gaylord National Resort & Convention Center, Washington, D.C., USA. 9-12th October, 2010.
- Carbon TradeEx America 2010 Conference: Investment Opportunities, Marketplace Insights and Business Strategies. McCormick Place, Chicago, Illinois. September 28-29, 2010.
- 2010 National Facilities Management & Technology (NFMT) Conference, Maintenance Solutions Expo, Greentech Conference & Exposition, Safe Buildings Expo. Baltimore Convention Center, Baltimore, Maryland. March 16 - 18, 2010
- Ecobuild America 2009: Sustainable, Green and High-Performance Solutions for the Built Environment. Sponsored by the National Institute of Building Sciences and produced by AEC Science & Technology. Washington Convention Center, Washington, D.C. December 7-10th, 2009.
- 2009 Design-Build Conference & EXPO, Design-Build Institute of America (DBIA). Gaylord National Hotel & Convention Center, Washington, DC. Nov. 5-7th, 2009.
- Financing Renewable Energy in the Mid-Atlantic. Environmental Finance Center, University of Maryland. The Grand Ballroom, Stamp Student Union, University of Maryland, Maryland. September 22, 2009.
- The 4th Master of Engineering (Project Management) Teaching Workshop, Organizing Committee Secretary. Shanghai, China, June 19-20, 2008
- PuJiang Innovation Forum. Shanghai, China, May 18-19, 2008.
- International Project Management Association (IPMA), Young Crew International Management Workshop 2006, Organizing Committee Secretary. Shanghai, China, Oct.13-14, 2006.
- The 3rd Construction Management Dean's Conference of Chinese High Education Universities, Organizing Committee Secretary. Shanghai, China, Nov.24-25, 2006.

SOCIAL WORKS

- Volunteer. Translation project of "The Vision for Civil Engineering In 2025: A Roadmap for The Profession. The American Society of Civil Engineers (ASCE), ASCE's International Activities Committee. August 2010. (Katerina Lachinova, International Relations Coordinator, ASCE)
- Volunteer. The 12th Special Olympic, Honored Program. Shanghai, China, Oct. 2-11, 2007. (Carl Siegel, Volunteer Director)

QUALIFICATIONS

- TOEFL(iBT): 90/120, Reading 28, Listening 23, Speaking 19, Writing 20 (Feb., 2008)
- GRE: Quantitative 760, Verbal 290, Analytical Writing 3.5. (June, 2007)

WORK & INTERN EXPERIENCES

- Shanghai Kerui Construction Project Management Co. Ltd
Project Management Employee (Tongji Univ. subsidiary enterprise) Shanghai, China
2007.9 – 2009.8

Working and assisting in construction front-end planning, complex program management, large-scale government investment program consulting and controlling, project management information system developing and application, etc.

<http://www.kcpm.com.cn>

- China 2010 Shanghai EXPO Construction Headquarters Overall Construction Program Management Group, Member Shanghai 2007.9 - 2008.2
Participating in writing EXPO Overall Construction Outline, functional department construction guideline, annual construction consultation report, and assisting official participants self-built pavilion project management, etc. EXPO total construction investment up to \$40 billion.
<http://en.expo2010china.com/>
- Wuxi International Tech-Park Development Zone Committee 2009 Overall Development and Construction Planning, Team Leader Wuxi, Jiangsu 2008.9 – 2008.12
Making overall development and construction planning including: multi-stage network planning, overall construction milestone schedule, construction program sequence, fixed asset planning, financial budget, allocation of funds, etc. The development zone annual investment up to \$350 million. <http://www.techpark.gov.cn/english/index.php>
- Six Flag Magic Mountain (Valencia) Park Service Employee, Exchange Students Work and Travel Program California, US 2007.7 - 2007.8
<http://www.sixflags.com/magicMountain/jobs/InternationalJobsProgram.aspx>