

Xinyuan Zhu

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EDUCATION

PhD Student, Project Management Program, Department of Civil & Environmental Engineering,
University of Maryland *Expected 2013*

M.E., Industrial Engineering, H. Milton Steward School of Industrial & Systems Engineering,
Georgia Institute of Technology 2009

M.S., Corporate Management, Antai School of Economic and Management, Shanghai
Jiaotong University 2009

B.S., Environmental Engineering, School of Environmental Science and Engineering,
Shanghai Jiaotong University 2006

PROFESSIONAL EXPERIENCE

- Research Assistant, Department of Civil Engineering, University of Maryland 2010
- Teaching Assistant, Department of Civil Engineering, University of Maryland 2010
- Research Assistant, Antai School of Economic and Management, Shanghai Jiaotong
University 2007-2009
- Sales Assistant Intern, Marketing Department, the Bosch Group, Shanghai 2008
- Intern Engineer, SAP/ERP Implementation group, Shanghai Electric Power Generation Group
2007
- Research Assistant, School of Environmental Science and Engineering, Shanghai Jiaotong
University 2005-2006
- Research Intern, Investment Consulting Office, the CID Group 2005-2006

RESEARCH INTERESTS

- Climate Change and Carbon Market
- Energy Efficiency and Performance Contracting
- Project Risk Management

HONORS AND AWARDS

Harkins Fellowship, University of Maryland Jan. 2011
CEE Fellowship, University of Maryland Dec.2009
AJC Fellowship, University of Maryland Aug.2009
Excellent Academic Scholarship of Shanghai Jiao Tong University 2004,2005
Excellent Student Leader in Minhang District 2002

PUBLICATION:

- Cui, Q. and **Zhu, X.** (2011) "Green Contracting in Highway construction: State of Practice".
Transportation Research Record, Journal of the Transportation Research Board. (Accepted)

- **Zhu, X.**, Whitten, L and Cui, Q. (2011) "Green Performance Contracting on Highway Project". *2nd international conference on transportation construction management. Feb. 7-10, 2011, Orlando, Florida.*
- **Zhu, X.**, Ding, Q., and Cui, Q. (2011) "Design of Ad Hoc Network Transmission Mechanism for Greenhouse Gas Emission Inspection in Construction Projects". *2011 ASCE Workshop of Computing in Civil Engineering. June 19-22, 2011, Miami, Florida. (Accepted).*
- **Zhu, X.**, Lu, Y., and Cui, Q. (2010) "Construction industry competitiveness and equity under carbon regulation". *Proceedings of 2010 Engineering Project Organizations Conference.*
- Cui, Q. and **Zhu, X.** (2010) "Innovative Contracting Strategies for Combating Climate Change". *Interim Report, University of Maryland, College Park.*
- **Zhu, X.**, Zhong, G., and Luo, J. (2008) "Two-echelon supply chain coordination mechanism based on fuzzy demand forecast". *Journal of Industrial Engineering, Vol 12, No.2, pp.87*

CONFERENCE PRESENTATION

Zhu, X. and Cui, Q., "Green Performance Contracting on Highway Project". *2nd international conference on transportation construction management. Orlando, Florida.*

Feb., 2011

Zhu, X., Lu, Y., and Cui, Q., "Estimating Housing Market Equilibrium and Construction Emissions under Carbon Tax", *4th Trans-Atlantic INFRADAY Conference on Applied Infrastructure Modeling and Policy Analysis, Washington DC*

Nov. 2010

Zhu, X., "Two-echelon supply chain coordination mechanism with perishable products under fuzzy forecast". *15th International Symposium on Inventories, Budapest Hungary*

Aug. 2008

RESEARCH PROJECT:

- Cost-benefit Analysis of the Use of Carbon Credits in Transportation System Development and Management. Sponsored by Center for Integrated Transportation Systems Management (CITSM) 2010 –2011
- Innovative Contraction Strategies for Combating Climate Change. Sponsored by Maryland State Highway Administration 2009 –2011
- Intellectual Rights of the Public Procurement of the Advanced Technology Products in China. Dec.2006 – Apr.2007
- Establishment of the Purchasing Center of Shanghai International Automobile Accessories. Sponsored by Shanghai Automobile Industry Educational Funding. Dec.2006 – Apr.2007
- Study on the Water Capacity of Chongming Island, Shanghai. Dec.2005– Mar.2006

MEMBERSHIP AND SERVICE

Student Member of American Society for Civil Engineering (ASCE)

Paper Reviewer, ASCE ICVRAM-ISUMA 2011 Conference

COMPUTER & SOFTWARE TECHNIQUES

Microsoft Office, GAMS, Lindo/Lingo, @RISK, SQL, SAP, Splus/SAS, Matlab, C++