

# HONGYOU LU

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## KEY QUALIFICATIONS

- Strong quantitative and analytical skills in energy, environment, public policy and climate change issues.
- Five years of research experience in energy-efficiency, program evaluation, and energy system assessments.
- Worked collaboratively with governments and international organizations on projects, workshops, and trainings.

## EDUCATION

**University of California, Berkeley,** Berkeley, CA  
*Master of Public Policy, Goldman School of Public Policy* Expected May 2015

*Master of Science, Energy & Resources Group*

*Relevant Coursework:* Microeconomics, Statistics, Energy and Society; Environmental Engineering (Spring 2013), Air Quality Engineering (Spring 2013), Electric Power System (Spring 2013)

**Stanford University** Stanford, CA  
*Master of Arts in East Asian Studies (GPA: 3.5/4.0)* April 2008

*Thesis:* “Wireless Infrastructure Sharing in the Chinese Mobile Industry”

- Associate editor of the Stanford Journal of East Asian Affairs in the Center for East Asian Studies.

**Peking University** Beijing, China  
*Bachelor of Arts in History (GPA: 3.58/4.0) and International Relations (GPA: 3.65/4.0)* July 2006

*Thesis:* “John Foster Dulles’ Views and Policies on China”

- First exchange student to the History Department of the University of Hong Kong (Spring 2004)

## EMPLOYMENT

**Lawrence Berkeley National Laboratory (LBNL)** Berkeley, CA  
**U.S. Department of Energy National Laboratory, managed by University of California** April 2008-Present  
*Senior Research Associate, Environmental Energy and Technologies Division* October 2010-present  
*Research Associate, China Energy Group* April 2008-October 2010

Conduct research on industrial energy efficiency policies through benchmarking, modeling and policy analysis

- Created energy balance tables for 5 industrial furnaces using the Process Heating Assessment and Survey Tool.
- Benchmarked 19 cement plants’ energy efficiency to international best practices by production process.
- Developed a low-carbon indicator system and an energy-saving target-allocation methodology for 30 provinces.
- Evaluated and analyzed the impact of energy-saving programs and policies for China, from 2005 to 2015.
- Conducted feasibility study of a carbon-trading pilot under sectoral approach in Shangdong Province.
- Compared the life cycle assessment studies of the Chinese cement industry to the ISO Standards.
- Researched regulations and governance of using municipal solid wastes and sewage sludge in cement industry.

## AWARDS & FELLOWSHIPS

- Goldman School of Public Policy Departmental Fellowship (2012-2013)
- Excellent Student Honor, PKU (Top 1 in 40, 05)      Excellent Study for Undergraduate, PKU (Top 3 in 41, 05)

## PUBLICATIONS

- Lu, H., and L. Price. 2012. “China’s Industrial Carbon Dioxide Emissions in Manufacturing Subsectors and in Selected Provinces,” Proceedings of the 2012 European Council for An Energy-Efficient Economy’s Industrial Summer Study, Arnhem, The Netherlands, September 11-14, 2012.

- Lu, H., and Price, L., 2011. "Industrial Energy Assessments: A Survey of Programs Around the World," Proceedings of the 2011 American Council for An Energy-Efficient Economy's Summer Study on Energy-Efficiency in Industry. July 26-29, 2011, Niagara Falls, New York.
- Lu, H., Fino-Chen, C. and Fridley, D., 2011. *Key China Energy Statistics 2011*, Berkeley, CA: Lawrence Berkeley National Laboratory.
- Lu, H., Masanet, E., Price, L., 2009. "Evaluation of Life-Cycle Assessment Studies of Chinese Cement Production: Challenges and Opportunities," Proceedings of the American Council for An Energy-Efficient Economy's 2009 Summer Study on Energy Efficiency in Industry, July 26-29 (LBNL-2335E). Washington, D.C.: American Council for An Energy-Efficient Economy.
- Hasanbeigi, A., L. Price, C. Fino-Chen, H. Lu, and J. Ke, 2013. Retrospective and Prospective Decomposition Analysis of Chinese Manufacturing Energy Use, 1995-2020. Lawrence Berkeley National Laboratory. Berkeley, CA (LBNL-6028E).
- Romankiewics, J., B. Shen, H. Lu, and L. Price, 2012. "Addressing the Effectiveness of Industrial Energy Efficiency Incentives in Overcoming Investment Barriers in China," Proceedings of the 2012 European Council for An Energy-Efficient Economy's Industrial Summer Study, Arnhem, The Netherlands, September 11-14, 2012.
- Shen, B., L. Price, and H., Lu. 2012. "Energy Audit Practices in China: National and Local Experiences and Issues," *Energy Policy* 46 (2012):346-358.
- Price, L., N. Zhou, D. Fridley, S. Ohshita, H. Lu, N. Zheng, C. Fino-Chen. 2012. "Development of a Low-Carbon Indicator System for China," *Habitat International*.
- Levine, M., D. Fridley, H. Lu, and C. Fino-Chen. 2012. *Key China Energy Statistics 2012*. Berkeley, CA: Lawrence Berkeley National Laboratory (LBNL-5570E-Flyer).
- Levine, M., D. Fridley, H. Lu, and C. Fino-Chen. 2011. *Key China Energy Statistics 2011*. Berkeley, CA: Lawrence Berkeley National Laboratory (LBNL-5569E-Flyer).
- van Sambeek, E., P. Yowargana, S. Liu, K. Jiang, L. Price, N. Zhou, and H. Lu. 2012. *Policy Options for Encouraging Energy Efficiency Best Practices in Shandong Province's Cement Industry: Exploring Designs Options for a Sectoral Approach*. Beijing: Azure International.
- Price, L., and Lu., H., 2011. "Industrial Energy Auditing and Assessments: A Survey of Programs Around the World," Proceeding of at the 2011 European Council for An Energy-Efficient Economy's Summer Study on Energy-Efficiency. June 6-11, 2011, France.
- Shen, B., Price, L., and Lu, H., 2010. *Energy Audit Practices in China: National and Local Experiences and Issues*. Berkeley, CA: Lawrence Berkeley National Laboratory (LBNL-4159E).
- Price, L., Levine, M.D., Zhou, N., Fridley, D., Aden, N., Lu, H., McNeil, M., Zheng, N., Qin, Y., Yowargana, P., 2011. "Assessment of China's Energy-Saving and Emission-Reduction Accomplishments and Opportunities During the 11th Five-Year Plan," *Energy Policy*.39 (2011) 2165-2178.
- Hasanbeigi, A., Price, L., Lu, H., Wang, L., 2010. "Analysis of Energy-Efficiency Opportunities for the Cement Industry in Shandong Province, China: A Case-Study of Sixteen Cement Plants," *Energy, The International Journal*. 35 (2010) 3461-3473.
- Price, L., de la Rue du Can, S., Lu, H., Horvath, A., 2010. *Evaluation of Energy Efficiency Activities in the Industrial Sector Undertaken in Response to Greenhouse Gas Emission Reduction Targets*. Berkeley, CA: Lawrence Berkeley National Laboratory (LBNL-3551E)
- Aden, N., and Lu, H., 2010. *Key China Energy Statistics 2010*. Berkeley, CA: Lawrence Berkeley National Laboratory.
- Price, L., Hasanbeigi, A., Lu, H., Wang, L., 2009. *Analysis of Energy-Efficiency Opportunities for the Cement Industry in Shandong Province, China*. Berkeley, CA: Lawrence Berkeley National Laboratory (LBNL-2751E-Rev).
- Fridley, D., Aden, N., Lu, H., and Zheng, N., 2008. *China Energy Databook, Version 7*. Lawrence Berkeley National Laboratory, Berkeley, California (LBNL-1135E).

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**LANGUAGE & TECHNICAL SKILLS**

- Fluent **English**, and **Mandarin**, conversational **Cantonese**, and basic **French**.
- Qualified Specialist in the U.S. Department of Energy's Process Heating Assessment and Survey Tool.
- Experience with energy demand forecast modeling, such as the LEAP model.
- Proficient in MS Access, Excel, Word, and PowerPoint; advanced in Photoshop and In-Design.