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## **EDUCATION**

**Ph.D. in Demography**, *University of California at Berkeley, 1992*

Honorable Mention in **John Heinz Dissertation Award**, the National Academy of Social Insurance: "*Parity and Security: A Simulation Study of Population Aging, Kinship Network, and Old Age Security in China.*"

**M.S. in Operations Research**, *Xi'an Jiaotong University, 1987*

**B.S.**, *Department of Cybernetics Engineering, Xi'an Jiaotong University, China, 1984*

## **EXPERIENCE**

**Lawrence Berkeley National Laboratory**

**2016-present**

**Staff Scientist, China Energy Group**

- Lead the establishment of Berkeley-Tsinghua Joint Research Center on Energy and Climate Change, and the development of strategic plan on research, education, and outreach.

**Energy Foundation**

**Senior Vice President, China Strategy and Analysis**

**2014-2016**

- Strategic planning and analysis to support Energy Foundation's China program.
- Launch major flagship studies on China's energy and climate scenarios: Re-Inventing Fire China and China's 2050 Renewable High Penetration Scenario Analysis.

**Energy Foundation**

**Chairman, China Sustainable Energy Program**

**2007-2013**

- Leadership of the largest environmental NGO in China, the China Sustainable Energy Program (CSEP), which supports policy development and implementation to promote clean energy solutions in China.
- Oversaw CSEP's strategy development and outreach to both national and local stakeholders in China.
- Led the rapid organization growth from 12 staff and \$12 million in funding to 39 staff and \$45 million in 2013.
- Expanded program areas from energy sectors to urban planning and air quality, with a project portfolio of over 230 projects per years, and build partnership with about 150 institutions in and outside of China
- Built a separate urban and transportation system design center to serve the need of rapidly expanding cities in China.
- Expanded new funding partnership in Europe, and create new revenue models in China

**Lawrence Berkeley National Laboratory**

**1994 to 2007**

**Staff Scientist, China Energy Group and Appliance Standards Group**

- Led LBNL's research and advisory activities to various Chinese agencies in achieving China's energy efficiency target (a 20% reduction in energy intensity) set in China's 11<sup>th</sup> Five Year Plan

- Conducted research in the areas of energy policy, low-carbon development paths, energy efficiency investment in China, energy demand modeling and scenarios, and energy use in buildings.
- Served as a consultant to various Chinese government agencies (both at the national and municipal level) and multilateral agencies (UNDP, IFC, and ADB).

***University of Pennsylvania***  
**NIA Post-Doctoral Fellow**

**January 1993 to August 1994**

- Research projects included: 1) study of financial feasibility of pension and social security programs for China; 2) the relationship of population and the environment; and 3) cost-effective potentials of energy conservation measures.
- Participated in *Executive Training Program on Energy Management and Development*, jointly sponsored by the *Wharton School of Business and the Center for Energy Studies, University of Pennsylvania*.

***Environmental Defense Fund***  
**Energy Analyst**

**August to November 1992**

- Analyzed strategic planning of the electric utility industry to search for both cost-effective and environmentally friendly solutions to serve the future demand for energy.

***Institute of Population and Economic Research, Xi'an Jiaotong University***  
**Research Associate**

**1984 to 1987**

- Conducted econometric analysis of regional economy and advising governments at the provincial level on strategic economic development planning. Taught classes on Population.

**AWARDS AND FELLOWSHIPS**

*Best Mention, John Heinz Dissertation Award, the National Academy of Social Insurance, 1993*  
*NIA Post-Doctoral Fellow, 1992-94*  
*Population Council Fellow, 1991*  
*Rockefeller Fellow, 1990*  
*Ritchie Reed Fellow, 1989*  
*Population Council Fellow, 1987-89*

**PROFESSIONAL SERVICES**

Membership, National Committee of US-China Relationship, 2009-present  
 Membership, Pacific Council of International Policy, 2009-present  
 Membership, Leadership Council, China US Energy Efficiency Alliance, 2007-present  
 Board member, Shanghai Pacific Energy Center, 2002 to 2008

**LANGUAGE**

Chinese, native, excellent  
 English, excellent  
 Italian, basic

## **PUBLICATIONS**

### **Refereed archival journal articles, under review**

1 Qing Shen, Simin Xu, and Jiang Lin, 2016, "Effects of Bus Transit-Oriented Development (BTOD) on Single-Family Property Value in Seattle Metropolitan Area," under review at *Urban Studies*.

### **Refereed archival journal articles**

1 Jiang Lin, Gang He, and Alexandria Yuan, 2016, "Economic Rebalancing and Changing Electricity Demand in China," the *Electricity Journal* 29 (2016), pp 48-54.

2 Jiang Lin, Nan Zhou, Mark D. Levine, and David Fridley, 2008, "Taking out 1 billion tons of CO2: The magic of China's 11th Five-Year Plan?" *Energy Policy*, 36 (3): 954-970.

3 Jiang Lin and Gregory Rosenquist, 2008, "Stay cool with less work: China's new energy-efficiency standards for air conditioners," *Energy Policy*, 36 (3): 1090-1095.

4 Jiang Lin and Maithili Iyer, 2007, "Cold or Hot Wash: technological choices, cultural change, and their impact on clothes washing energy use in China," *Energy Policy* 35 (5): 3046-3052.

5 Jiang Lin, 2007, "Energy Conservation Investments: A Comparison between China and the U.S.," *Energy Policy* 35 (2): 916-924.

6 Jiang Lin, 2005, "A light diet for a giant appetite: An assessment of China's fluorescent lamp standard," *Energy*, 30 (10): 1873-1887.

7 Jiang Lin, 2002, "Appliance Standards and Labeling Programs in China," *Annual Review of Energy and Environment*, Vol. 27: 349-367.

8 Jiang Lin, 1995, "Changing Kinship Structure and its Implications for Old Age Support in Urban and Rural China," *Population Studies*, 1995.

9 Jiang Lin, 1994, "Parity and Security: A Simulation Study of Population Aging and Old Age Security in Rural China", *Population and Development Review*, June, 1994.

### **Non-refereed journal articles**

1 Jiang Lin, 2006, "Managing Energy Demand: The bridge to sustainability," *China Economic Quarterly*, Volume 10 Issue 4, Hong Kong, China

2 Jiang Lin, 2005, "One Rice Cooker, Two Cell Phones, and Three TVs: Consumer Appliances and the Energy Challenge for China," *Business Forum China*, Vol. 6, 2005, Shanghai, China.

3 Jiang Lin, 2002, "A Trickle Turns into a Flood: Standby Power Loss in China," *Sinosphere*, Winter, 2002.

4 Jiang Lin, 2002, “Made for China: Energy Efficiency Energy Standards and Labels for Household Appliances,” *Sinosphere*, Winter 2002.

## **Books**

1 C. ZHU, Zhang, and J. LIN, 1987, *Population Control: A Social System Engineering* (in Chinese), Popular Science Press, Beijing, China.

## **Conference papers**

1 Jiang Lin, 2016, “Economic Restructuring and Energy Use in China,” paper for the *Aspen Institute Congressional Education Program*, 2016.

2 Qing Shen, Simin Xu, and Jiang Lin, 2015, “Housing Price Premiums of Bus Transit Oriented Development (BTOD) in Seattle Metropolitan Area,” paper presented at the *55<sup>th</sup> Annual ACSP Conference*, Houston, October 22, 2015

3 Jiang Lin, 2008, “Energy in China: Myths, Reality and Challenges,” paper presented at the *Aspen Congressional Program*, March 2008, Hawaii.

4 Bressand, Florian, Zhou, Nan, and Lin, Jiang, 2007, “Energy use in commercial building in China: Current situation and future scenarios,” *European Council for an Energy Efficient Economy (ECEEE) 2007 Summer Study Proceedings*, paper No. 5312, June 2007. Nice, France, LBNL-62839

5 Jiang LIN, Nan Zhou, Mark D. Levine, and David Fridley, “Taking out one billion tones of carbon: the magic of China’s 11<sup>th</sup> Five-Year Plan,” *European Council for an Energy Efficient Economy (ECEEE) 2007 Summer Study Proceedings*, paper No. 5312, June 2007. Nice, France, LBNL-62886

6 Jiang Lin and Maithili Iyer, 2005, “Cold or Hot Wash: How technological choices would lead to cultural change and potential increase in clothes washing energy use in China,” in the *proceedings of the 2005 European Council for Energy Efficient Economy (ECEEE) Summer Study*, Mandelieu, France, 2005, LBNL-57382.

7 DG Fridley, J Lin, A Denver, and T Dallivou, 2005, “Harmonization of CFL Specifications in the US, China, and Brazil,” *Proceedings of Right Light 6*, Shanghai, China, May, 2005, LBNL-57812.

8 Debbie Brockett, David Fridley, Jieming Lin, Jiang Lin, 2002, “A Tale of Five Cities: An Analysis of Energy Consumption Patterns in Chinese Households,” in the *Proceedings of the 2002 ACEEE Summer Studies on Energy Efficiency in Buildings*, Asilomar, California, USA, LBNL-50680.

9 Jiang Lin, Jeanne Townend, Robin Clark, Tony Silva, Gary McNeil and David Fridley, 2002, Energy-Efficient Refrigerator Labeling in China: Transferable Lessons for Successful Labeling

Programs in Varied Markets,” in the *Proceedings of the 2002 ACEEE Summer Studies on Energy Efficiency in Buildings*, Asilomar, California, USA, LBNL-50416.

10 Lin Jiang, Li Tienan, and Liu Jiang, “Standby power consumption in Chinese households,” presented at the 3<sup>rd</sup> *IEA Workshop on Standby Power Use: Toward a Harmonized Solution*. Tokyo, February 2001. LBNL-47427.

## **Reports**

1 Jiang Lin and Angela Luh, 2015, “Power Shift: Re-assessing China’s Electricity and Coal Demand Under the Economic New Normal,” *Energy Foundation China Issue Brief*, the Energy Foundation.

2 He, Gang, Jiang Lin, and Alexandria Yuan, 2015, *Economic Rebalancing and Electricity Demand in China*, Berkeley: Lawrence Berkeley National Laboratory, LBNL-1003799.

3 Jiang Lin, 2014, “China can lead the global collaboration on low-carbon development,” working paper for the *New Climate Economy Report*.

4 Jiang Lin, Jiangyan Wang, Fei Meng, Jasmine Tillu, and Dongquan He, 2014, “Building livable cities in China,” working paper for the *New Climate Economy Report*.

5 Jiang Lin, Peter Calthorpe, He Dongquan, and Wang Jiangyan, 2012, “Sustainability at Scale: Meeting China’s Urban Design Challenge,” *Energy Foundation Annual Report*, 2011.

6 Jiang Lin, He Dongquan, He Ping, Hu Min, and Lu Hong, 2011, “The Race is on: China kick-starts its clean economy,” Knowledge Series, ClimateWorks Foundation.

7 Fridley, David, Nathaniel Aden, Nan Zhou, Jiang Lin. *Impacts of China’s Current Appliance Standards and Labeling Program to 2020*, Berkeley: Lawrence Berkeley National Laboratory, March 2007, LBNL- 62802.

8 Jiang LIN, Nan Zhou, Mark D. Levine, and David Fridley, 2006, *Achieving China’s Target for Energy Intensity Reduction in 2010: An Exploration of Recent Trends and Possible Future Scenarios*, Berkeley: Lawrence Berkeley National Laboratory, LBNL-61800.

9 Jiang Lin, 2006, *Mitigating Carbon Emissions: the Potential of Improving Efficiency of Household Appliances in China*, Berkeley, CA: Lawrence Berkeley National Laboratory, LBNL-60973.

10 DG Fridley, JE Sinton, Jiang Lin, Nan Zhou, N Aden, J Lewis, and Shyam Menon, 2005, *China’s Energy Future to 2020*, Berkeley, CA: Lawrence Berkeley National Laboratory, LBNL-58664.

11 Jiang Lin, 2005, *Trends in Energy Efficiency Investments in China and the US*, Berkeley, CA: Lawrence Berkeley National Laboratory, LBNL-57691.

12 Jiang Lin, Donald Gilligan, and Yinghua Zhao, 2005, *Financing the Growth of Energy Efficiency Service Industry in Shanghai*, Berkeley, CA: Lawrence Berkeley National Laboratory, LBNL-57319.

13 Rosenquist, G and J Lin, 2004, *Chinese Room Air-Conditioning Heat Pumps: An Engineering and Life-Cycle Cost Analysis of 3500 W and 7100 W Cooling Capacity Units*, Berkeley, CA: Lawrence Berkeley National Laboratory LBNL-57992.

14 Jiang Lin, C Goldman, M Levine, and N Hopper, 2004, *Developing an Energy Efficiency Service Industry in Shanghai*, Berkeley, CA: Lawrence Berkeley National Laboratory, LBNL-54964

15 Lin, Jiang, 1999. *China Green Lights Program: A Review and Recommendations*, Berkeley, CA: Lawrence Berkeley National Laboratory, LBNL-42183.

16 Steve Nadel, Jiang Lin, Yu Cong, Adam Hinge, and Lu Wenbin, 1999, “*China Green Lights Program: A Status Report*,” ACEEE, Washington, DC, December, 1999.