

## Kyoung M. Shin

Institute of Technology Management, National Tsing-Hua University  
NO. 101, Sec. 2, Kuang-Fu Rd., Hsinchu, Taiwan. 30013  
shin@mx.nthu.edu.tw • +886 (0)3-574-2248

---

### Education

---

<b>Massachusetts Institute of Technology</b> <i>Ph.D.</i> , Department of Political Science, 2014	Cambridge, MA
<b>University of California, Berkeley</b> <i>Master of City Planning</i> , Department of City and Regional Planning, 2005 <i>Master of Arts</i> , International and Area Studies, 2005	Berkeley, CA
<b>Massachusetts Institute of Technology</b> <i>Bachelor of Science</i> , Department of Economics, 2000	Cambridge, MA

---

### Academic Appointments

---

<b>National Tsing-Hua University</b> , Institute of Technology Management Assistant Professor ( <i>Feb 2017-present</i> )	Hsinchu, Taiwan
<b>Wuhan University</b> , School of Political Science and Public Administration Associate Professor ( <i>May 2015-January 2017</i> )	Wuhan, China
<b>Hertie School of Governance</b> , Dahrendorf Forum, Europe-China Relations Fellow ( <i>September 2016-December 2016</i> )	Berlin, Germany

---

### Academic Affiliations

---

<b>National Tsing Hua University</b> , Institute of Technology Management Visiting Scholar ( <i>July 2016-August 2016</i> )	Hsinchu, Taiwan
<b>National Taiwan University</b> , Graduate Institute of Building and Planning Visiting Senior Scholar ( <i>September 2014-August 2015</i> )	Taipei, Taiwan
<b>Peking University</b> , College of Environmental Sciences and Engineering Visiting Fellow at the Institute of Environment and Economy ( <i>August 2010-August 2013</i> )	Beijing, China
<b>Tsinghua University</b> , School of Public Policy & Management Visiting Fellow at the Center for Industrial Development and Environmental Governance ( <i>December 2010-July 2012</i> )	Beijing, China
<b>Tsinghua University</b> , School of Law Visiting Scholar at the Center for Environmental, Natural Resources & Energy Law ( <i>August 2010-April</i>	Beijing, China

2012)

---

## Honors, Grants & Fellowships

---

- Phi Beta Kappa
- Sigma Xi
- Curriculum and Teaching Innovation Small Grant, NTHU (2017)
- Research Project for Newly Recruited Personnel, Ministry of Science and Technology (MOST), Taiwan (project number: 106-2410-H-007-065-MY3; 2017-2020)
- Recruitment Project for Special Outstanding Talents, MOST, Taiwan (2017-2020)
- Graduate Student Fellowship Award, MIT (2013)
- Fulbright-Hays Doctoral Dissertation Research Abroad (2011-2012) [selected as a recipient; U.S. federal government later eliminated funding due to the budget crisis]
- Institute of International Education (IIE) & The Andrew W. Mellon Foundation Graduate Fellowships for International Study (2011-2012)
- U.S. National Security Education Program (NSEP) David Boren Fellowship (2010-2011)
- U.S. Department of State Critical Language Scholarship (CLS) (2010)
- Blakemore Freeman Fellowships (2008-2009)
- The MIT-Japan International Studies Fund, MIT (2008)
- Presidential Fellow, MIT (2006-2007)
- MIT Graduate Fellowship, full tuition plus stipend (2006-2011)
- Block-Grant Fellowship, UC Berkeley (2002-2003; 2004-2005)
- Rudovsky Scholarship, MIT Economics Department: awarded to the best undergraduate student (1998-2000)
- Boston Stein Club New England Freshman Scholarship (1996-1997)
- Wuhan University Independent Research Fund for Young Scholars (武汉大学自主科研项目青年项目) (2016-2017)

---

## Papers & Publications

---

### Refereed:

- Shin, Kyoung. 2018. "Environmental Policy Innovations in China: A Critical Analysis from a Low-Carbon City," *Environmental Politics*, Volume 27, Issue 5: pp. 830-851. DOI: <https://doi.org/10.1080/09644016.2018.1449573>.
- Shin, Kyoung. 2017. "Neither Centre nor Local: Community-Driven Experimentalist Governance in China," *The China Quarterly*, Volume 231(September): pp. 607-633. DOI: <https://doi.org/10.1017/S0305741017000923>.
- Shin, Kyoung. 2017. "Mission-Driven Agency and Local Policy Innovation: Empirical Analysis from Baoding, China," *Journal of Chinese Political Science*, Vol. 22, No. 4(December): pp. 549-580. DOI: <https://doi.org/10.1007/s11366-017-9514-7>.
- Kostka, Genia and Kyoung Shin. 2013. "Energy Conservation through Energy Service Companies: Empirical Analysis from China," co-author with Genia Kostka, *Energy Policy*, Volume 52(January), pp. 748-759. DOI: <https://doi.org/10.1016/j.enpol.2012.10.034>.
- Shin, Kyoung, Genia Kostka and Xuehua Zhang. *Forthcoming*. "Environmental Information for

What and for Whom? Data, Technology, Digitalization in China's Environmental Governance,” co-author and co-guest-editor for the special issue, “Environmental Governance in the Information Age: Data, Technology, and Digitalization in China,” in *Journal of Environmental Planning and Management*, forthcoming.

- Shin, Kyoung and Genia Kostka. 2016. “Getting Governance Right: The Role of Trust and Social Networks in the Development of Energy Service Companies (ESCOs) in China (探寻合适的治理模式：信任与社会关系网络在中国节能服务公司发展过程中的作用),” *经济社会体制比较 (Comparative Economic & Social Systems)*, No 3(May): pp. 40-51.

Refereed Conference Papers:

- “Evolving nature of state vs. society in China’s environmental governance: A historical institutional perspective,” paper presented at International Workshop on Climate Change Justice in Northeast Asia, at *Asian Social Transformation Thematic Research Team (AST)*, Institute of Sociology, Academia Sinica, Taipei, Taiwan, June, 2018.
- “Rise and Fall of Policy Innovations in China: A Local Governance Perspective,” paper presented at *The International Studies Association (ISA) 2018 Annual Convention*. San Francisco, CA: April, 2018.
- “Is Getting the Incentives Right the Answer for China’s Environmental Governance?: A Case of Low-Carbon City Development,” paper presented at *The 2017 Association for Asian Studies (AAS) Annual Conference*. Toronto, Canada: March, 2017.
- “Is Getting the Incentives Right the Answer for China’s Environmental Governance?: A Case of Low-Carbon City Development,” paper presented at *The 2016 DGA ASC German China Scholars Annual Conference*. Bochum, Germany: November, 2016.
- “Possibilities and Pitfalls of Low-Carbon City Development in China: Governing Local Policy Innovation,” paper presented at *The 2016 Association for Asian Studies (AAS) Annual Conference*. Seattle, WA: April, 2016.
- “Getting Governance Right: The Role of Trust and Social Networks in the Development of Energy Service Companies (ESCOs) in China,” paper presented at *第一届国家治理与政府创新青年论坛*. Fudan University, Shanghai, China: April, 2016.
- “Beyond Center-Local Relations: The Rise of Community-Driven Local Experimentalist Governance,” paper presented at *Brown University-Hertie School of Governance Conference on China Environmental Governance*. Watson Institute for International and Public Affairs, Brown University, Providence, RI: May, 2015.
- “Energy Efficiency, Markets Development, and Trust: The Case of Energy Service Companies in China,” paper presented at *2011 Annual Conference of the Academy of Innovation and Entrepreneurship (AIE)*. April, 2011.
- “Immigration and the Transformation of the Silicon Valley Labor Force, 1970-2000,” co-author with AnnaLee Saxenian, paper presented at the *2005 Organization of American Historians Annual Meeting*. San Jose, CA: April, 2005.

Non-refereed Working Paper:

- “State-society relations in China’s environmental governance: A historical institutional perspective,” *working paper*, last revised July, 2018.
- “Is There a Room for Environmental Innovations in China?: Theories and Historical Lessons for Understanding Clean Energy Technology Adoptions,” *working paper*, last revised December, 2017.
- “Towards Understanding Public Regulation and Policy as a Social Space for Innovation in Clean Technologies,” *working paper*, last revised September, 2017.

---

## Professional Experience

---

**China Energy Group, MIT** Cambridge, MA

Graduate Researcher (*January 2007-June 2013*)

Conducted research on energy innovations and environmental policies in China. With other members of the Group, conducted a large-N survey on coal-fired power plants in China to determine their technological innovation and environmental performance.

**Department of Political Science, MIT** Cambridge, MA

Research Assistant for Professor Edward Steinfeld (*September 2010-January 2011*)

Conducted on-site research in China on Chinese industrial upgrading in high-tech sectors, mainly renewable energy sectors such as wind and solar. Specifically, analyzed how Chinese domestic firms are proactively collaborating with Western firms to quickly scale up manufacturing skills and innovative capabilities.

**Department of Political Science, MIT** Cambridge, MA

Research Assistant for Professor Edward Steinfeld (*September 2007-May 2008*)

Conducted research on industrial upgrading of Chinese information technology firms (e.g., Huawei, ZTE, Haier), their competitiveness in the domestic and global markets, financial sector reforms in China, and the governance structure of the Chinese energy sector.

**ICF Consulting, Inc.** San Francisco, CA

Associate (*April 2005-April 2006*)

Provided consulting services to regional economic development and higher-education institutions in the U.S.; as the principal analyst in various projects, specialized in quantitative methods of regional economic analysis including labor market studies, industry cluster studies, and institutional development studies.

**Department of City and Regional Planning, UC Berkeley** Berkeley, CA

Graduate Student Researcher for Professor AnnaLee Saxenian (*December 2002-August 2005*)

Researched, analyzed, and wrote papers on impacts of immigration and diaspora on high-technology development in the U.S.; workforce transformation of Silicon Valley; economic integration and international trade between Asia and the U.S.; and the US-Taiwan-China triangle high-tech human capital and production value chain.

**American Red Cross, Brooklyn Chapter** New York, NY

Disaster Relief Specialist (*November 2001-January 2002*)

Assisted the community and the survivors and families of victims recover from the September 11<sup>th</sup> tragedy at Pier 94 and Family Service Center on Church Street in Manhattan. Implemented services in the areas of food, lodging, clean-up, recovery, distribution of relief funds, and other administrative works.

**Korean Immigrant Workers Advocates (KIWA)**

Los Angeles, CA

Summer Labor Organizer (*May 1999-August 1999*)

Designed and conducted surveys and interviews on economic and health conditions of immigrant restaurant workers in Los Angeles. Organized undocumented restaurant workers to create Restaurant Workers Association of Koreatown (RWAK). Mediated in various labor disputes between workers and employers.

**MIT CEEPR (Center for Energy and Environmental Policy Research)**

Cambridge, MA

Research Assistant for Professor Denny A. Ellerman (*May 1998-August 1998*)

Analyzed the economic and environmental effects of the US Acid Rain Program (e.g., emission rate, prices of different types of coals, and cost of compliance for firms), and productivity of Norwegian oil fields.

**MIT CEEPR**

Cambridge, MA

Research Assistant for Professor Morris Adelman (*May 1998-October 1998*)

Derived a unit price of in-ground crude oil and natural gas in the US by regression modeling, analyzed regional differences in the unit price, and calculated wellhead prices of oil and gas.

---

## Teaching Experience

---

*Environmental and Energy Regulation and Governance*, National Tsing Hua University (Fall 2018)

*Gender, Management, and Leadership*, National Tsing Hua University (Fall 2018)

*Technology Management Theories II*, National Tsing Hua University (Spring 2018)

*Social Science Research Design*, National Tsing Hua University (Fall 2017)

*Government and Business*, National Tsing Hua University (Fall 2017)

*Fundamentals of Political Science: State, Market, and Society*, Wuhan University (Spring 2016)

*The Political Economy of Chinese Reform*, Teaching Assistant, MIT (Spring 2010)

*The Rise of China*, Teaching Assistant, MIT (Fall 2008)

*The Idea of Planning*, Reader, UC Berkeley (Fall 2002, Spring 2003, Fall 2003)

---

## Research Specializations

---

- Local Governance

- China's Environmental and Energy Policy, Politics, and Governance
- Center-Local Relations
- State-Society Relations
- Political Economy of High-Tech Innovation

---

### Teaching Interests

---

- Environmental Politics and Governance in China
- Gender in Management
- Comparative Political Economy of Development
- Political Economy of China
- Bureaucracy & Regulation
- Qualitative Methods

---

### Invited Talks & Lectures (last two years only)

---

“The State of Environmental Governance in China: Trends and Frameworks,” Center for Contemporary China, NTHU. Hsinchu, Taiwan. December 5, 2017.

“Low-Carbon City Development in China: Possibilities and Pitfalls,” Center for Low-Carbon and Sustainable Society, Academia Sinica. Taipei, Taiwan. July 28, 2017.

“Chinese Urban Policies—Limits of Local Experimentation,” Energy Policy Exchange Forum, Energy & Climate Policy in Germany, China & California: Diverse Approaches, Joint Strengths. Berlin, Germany. October 6, 2016

“Chinese Energy Innovation—Going out to Europe,” workshop organized by Yicai Research Institute (第一财经研究院) and the Dahrendorf Forum. Beijing, China. September 26, 2016

“Neither Center nor Local: Community-Driven Experimentalist Governance in China,” Hubei University of Economics. Wuhan, China. May 5, 2016

“Beyond Central Coordination: Community-Driven Experimentalist Governance and Local Innovation in China,” School of Political Science and Public Administration, East China University of Political Science and Law. Shanghai, China. April 8, 2015

---

### Thesis Supervision

---

#### Ph.D. students:

- Wiebke Rabe, Ph.D. candidate, Programme in Governance, Hertie School of Governance: “Local Governance of Outward Investment in Contemporary China” (co-supervisor)

#### Master's students:

- Zhe Yu: “Energy Consumption Behaviour of Students in China: Based on a Questionnaire Survey

of Hebei University of Science and Technology,” External M.A. Examiner, Frankfurt School of Finance & Management, completed in 2011.

- Qianyi Wang: “Energy Service Companies in China – Market Development and Barriers to the Growth,” External M.A. Examiner, Frankfurt School of Finance & Management, completed in 2011.

## **Academic Memberships & Services**

---

**American Political Science Association**, Member

**American Sociological Association**, Member

**Association for Asian Studies**, Member

**International Studies Association**, Member

**Association for East Asian Environmental History**, Member

**Energy Policy**, Reviewer/referee

**Environmental Politics**, Reviewer

**Journal of Environmental Planning and Management**, Reviewer/referee

**Regulation & Governance**, Reviewer/referee

**Innovation: Management, Policy & Practice**, Reviewer/referee

**Futures**, Reviewer/referee

**Technological Forecasting & Social Change**, Reviewer/referee

**Society & Natural Resources**, Reviewer/referee

**Innovation: Organization & Management**, Reviewer/referee

**International Risk Governance Council (China Region)**, Research Affiliate

**Beijing Energy Network (BEN)**, Member

## **Additional Training**

---

**Nanjing University**, Institute for International Students  
Intensive Chinese (Mandarin) language training under the U.S. Department of State Critical Language Scholarship (May 2010-August 2010)

**Tsinghua University**, Inter-University Program for Chinese Language Studies (IUP)

Total-immersion Chinese (Mandarin) language training (February 2009-January 2010)

**Harvard University**, Chinese Language Program

Intensive Chinese language training (September 2006-January 2009; February 2010-May 2010)

**M.I.T.**, Committee on the Use of Humans as Experimental Subjects (COUHES)

Institutional Review Board (IRB) Human Subjects Research Curriculum (October 17, 2010; July 18, 2013)

**M.I.T.**, COUHES

Institutional Review Board (IRB) Social and Behavioral Responsible Conduct of Research Training (October 17, 2010)

---

## Skills

---

- Languages: English (fluent); Korean (fluent); Mandarin Chinese (advanced: [ACTFL certified proficiency level: “Advanced High” or Level 9 out of 10]); Classical Chinese (intermediate); Spanish (basic)
- Other skills: Experience with Stata, SPSS, ArcMap, ArcGIS, and Framemaker. Working experience in UNIX.

---

## Other Services & Activities

---

- Faculty Dormitory Committee, NTHU (2018-)
- AACSB Committee, NTHU (2017-)
- Transportation Planning Committee, NTHU (2017-)
- Library Committee, NTHU (2017-)
- College of Technology Management Academic Curriculum Committee, NTHU (2017-)
- Master’s student admission committee, NTHU Institute of Technology Management (2017-)
- Ph.D. student admission committee, NTHU Institute of Technology Management (2017-)
- Master’s student thesis review committee, NTHU Institute of Technology Management (2017-)
- M.I.T. Admissions Educational Council member, M.I.T. (2017-)
- Faculty Search Committee, Department of Public Administration, Wuhan University School of Political Science and Public Administration (2015-2017)
- Graduate Students Work-in-Progress Research Workshop, Wuhan University School of Political Science and Public Administration, organizer/adviser (2015-2017)
- Research on Regulation Working Group, Wuhan University School of Political Science and Public Administration, organizer (2016-2017)
- Faculty Thursday Lunch Colloquium, Wuhan University School of Political Science and Public Administration, organizer (2016-2017)
- China Studies Research Workshop, National Taiwan University (2014-present)
- Harvard-MIT Chinese Politics Research Workshop (2010-2011)
- Sohu Public Interest Channel & Environmental Protection Channel, external consultant (unpaid) (2009-2013)
- Harvard-MIT Private Governance Working Group (2008-2012)
- MIT China Politics Working Group (2008-2013)
- Academic consultant and delegate to The Climate Group’s 5<sup>th</sup> China Low Carbon City Program in Dezhou (Shandong Province, China) (2012)



- Global Village of Beijing, research fellow (2010-2011)
- Cal Taijiquan (Tai-Chi) Club, UC Berkeley (2002-2006)
- Students of Color in Planning, UC Berkeley (2002-2005), point-person and grants manager (2003-2004)
- MIT Oori (1999-2000), founder and president (1999)
- Boston P'ungmul Alliance (1998-2000), founder and chair (1998-1999)
- The Project Korean Music Initiative for the MIT Lewis Music Library, director (1997)
- MIT Freshmen Leadership Program (FLP), participant (1996)