

## Cecilia Han Springer

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<b>EDUCATION</b>	<i>Ph.D., Energy and Resources</i> University of California, Berkeley	2016 - 2019
	<i>M.S., Energy and Resources</i> University of California, Berkeley	2014 - 2016
	<i>B.S., Environmental Science</i> Brown University	2007 - 2011
<b>PROFESSIONAL EXPERIENCE</b>	<i>Research Fellow</i> Belfer Center, Harvard Kennedy School, Cambridge, MA	2019 - Present
	<i>Consultant</i> Global Efficiency Intelligence, San Francisco, CA	2017 - Present
	<i>Senior Associate</i> Climate Advisers, Washington, DC	2012 - 2014
	<i>Fulbright Research Fellow</i> U.S. Department of State, Tianjin, China	2011 - 2012
<b>FELLOWSHIPS AND GRANTS</b>	<i>Pamela and Kenneth Fong Graduate Student Fellowship</i> Center for Chinese Studies, University of California, Berkeley	Awarded 2018
	<i>East Asia and Pacific Summer Institute Fellowship</i> National Science Foundation	Awarded 2017
	<i>Expanding Potential in STEM Diversity Seed Award</i> Synberc, University of California, Berkeley	Awarded 2015
	<i>Systems Approach to Green Energy Fellowship</i> Berkeley Center for Green Chemistry, University of California, Berkeley	Awarded 2014
	<i>Graduate Research Fellowship</i> National Science Foundation	Awarded 2014
<b>JOURNAL PUBLICATIONS</b>	Springer, C., Evans, S., Lin, J., and Roland-Holst, D. (2019). Low Carbon Growth in China: The Role of Emissions Trading in a Transitioning Economy. <i>Applied Energy</i> 235: 1118-1125 (Special issue: Emissions trading systems for global low carbon energy economy transformation).	
	Huang, H., Roland-Holst, D., Springer, C., Lin, J., Cai, W., and Wang, C. (2019). Emissions trading systems and social equity: A CGE assessment for China. <i>Applied Energy</i> 235: 1254-1265.	

Moore, F., Rising, J., Lollo, N., Springer, C., Vasquez, V., Dolginow, A., Hope, C., and Anthoff, D. (2018). Mimi-PAGE, an open-source implementation of the PAGE09 integrated assessment model. *Nature Scientific Data* 5: 180187.

Springer, C. (2018). Assessing Energy Intensity and Retrofit Opportunities for the Aluminum Industry: Lessons from Vietnam. *Resources, Conservation, and Recycling* 131: 235-246.

Caprotti, F., Springer, C., and Harmer, N. (2015). Eco for whom? Envisioning eco-urbanism in the Sino-Singapore Tianjin Eco-City, China. *International Journal of Urban and Regional Research* 39(3): 495-517. (selected as one of the most significant papers of the past 40 years for the 40th Anniversary issue of IJURR, 2017)

Springer, C., Dere, E., Hall, S. et al. (2012). Rodent thyroid, liver, and fetal testis toxicity of the monoester metabolite of bis-(2-ethylhexyl) tetrabromophthalate (tbph), a novel brominated flame retardant present in indoor dust. *Environmental Health Perspectives* 120(12): 1711-1719.

## BOOK CHAPTERS

Springer, C. (2018). “Energy Entanglement: New Directions for the China-Indonesia Coal Relationship,” in *In China’s Backyard: Policies and Politics of Chinese Resource Investments in Southeast Asia*, Jason Morris-Jung (ed.), Singapore: Institute for Southeast Asian Studies Press.

Purvis, N., Springer, C., and Grausz, S. (2016). “The New U.S. Domestic Climate and Clean Energy Agenda,” in *The EU, the US, and Global Climate Governance*, Christine Bakker and Francesco Francioni (eds.), London: Routledge.

## WHITE PAPERS

Hasanbeigi, A., Becque, R., and Springer, C. (2019). Curbing Carbon from Consumption: The Role of Green Public Procurement. Global Efficiency Intelligence.

Hasanbeigi, A. and Springer, C. (2019). Deep Decarbonization Roadmap for the Cement and Concrete Industries in California. Global Efficiency Intelligence.

Moran, D., Hasanbeigi, A., and Springer, C. (2018). The Carbon Loophole in Climate Policy: Quantifying the Embodied Carbon in Traded Products. ClimateWorks Foundation.

Springer, C. and Hasanbeigi, A. (2017). Emerging Energy Efficiency and Carbon Dioxide Emissions-Reduction Technologies for the Glass Industry. Lawrence Berkeley National Laboratory report.

Springer, C. and Hasanbeigi, A. (2016). Emerging Energy Efficiency and Carbon Dioxide Emissions-Reduction Technologies for Industrial Production of Aluminum. Lawrence Berkeley National Laboratory report.

Roland-Holst, D., Behnke, D., Evans, S., Springer, C., and Heft-Neal, S. (2016). Senate Bill 350 Study - The Impacts of a Regional ISO-Operated Power Market in California: Economic Impact Analysis. Berkeley Economic Advising and Research, Berkeley, CA.

Purvis, N., Jones, A., and Springer, C. (2014). Retrofitting Coal-Fired Power Plants in Middle-Income Countries: What Role for the World Bank? The Brookings Institution, Washington, DC.

Springer, C., Ogden, P., Purvis, N., and Dahl-Jorgensen, A. (2014). Accelerating Global Vehicle Efficiency. Center for American Progress, Washington, DC.

Jones, A., Purvis, N., and Springer, C. (2013). Trading Up: The Case for an International Carbon Market Reserve to Reduce Volatility at the Limits in 2020 and Beyond. The Brookings Institution, Washington, DC.

Purvis, N., Wolosin, M., and Springer, C. (2013). Breaking the Link Between Commodities and Climate Change. Climate Advisers, Washington, DC.

**CONFERENCES AND PRESENTATIONS** 2019: Political Economy of Coal Workshop (MCC Berlin), Buy Clean Summit - Deep Dive on Embodied Carbon panel (Third Way, Washington DC)

2018: Data and Environmental Governance in China (Freie Universitat Berlin), 6th International Association of Energy Economics Asia Conference

2017: International Association of Energy Economics Annual Conference

2016: Central Asian Regional Modeling Analysis Workshop (Narxoz University, Kazakhstan), Chinese Resource and Infrastructure Investments in Southeast Asia Workshop (Shanghai Institute of International Studies)

2015: Writers' Workshop on Chinese Natural Resource Extraction in Southeast Asia (Institute for Southeast Asian Studies, Singapore), Synberc Expanding Potential Conference (UC Berkeley)

**TEACHING** *Graduate Student Instructor, Energy and Society (ER200)* 2016  
University of California, Berkeley

*Co-Instructor, Data and Diversity (ER199)* 2015  
University of California, Berkeley

**OTHER AFFILIATIONS** *Research Affiliate* 2015 - Present  
China Energy Group, Lawrence Berkeley National Laboratory, Berkeley, CA

*Visiting Researcher* 2017, 2018  
Tsinghua University, Institute for Energy, Environment, & Economy, Beijing, China

*Visiting Researcher* 2015  
Institute of Southeast Asian Studies - Yusof Ishak Institute, Singapore

**SERVICE** for UC Berkeley:  
Department Liaison, Berkeley Energy and Resources Collaborative 2015 - 2016  
Student Representative, ERG Student Diversity Committee 2014 - 2017  
Student Representative, ERG Fundraising Committee 2015 - 2017  
Graduate Peer Mentor, ERG 2015 - present

for the discipline:  
Reviewer: *Resources, Conservation, and Recycling; Sustainable Cities and Society; Advances in Climate Change Research; Carbon Management*; 20th Annual Conference on Global Economic Analysis; *Journal of Renewable and Sustainable Energy*  
Discussant and editor for book workshop for Professor You-tien Hsing, UC Berkeley Geography Department

## **SKILLS**

*Programming Languages:* R, Julia, GAMS

*Languages:* Mandarin (advanced), Cantonese (basic), Vietnamese (basic)

Martial arts instructor and student