

## Cecilia Han Springer

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<b>EDUCATION</b>	<i>Ph.D., Energy and Resources</i> University of California, Berkeley	2016 - 2019 (expected)
	<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>Consultant</i> Global Efficiency Intelligence, San Francisco, CA	2017 - Present
	<i>Research Affiliate</i> China Energy Group, Lawrence Berkeley National Laboratory, Berkeley, CA	2015 - 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. Low Carbon Transition and Sustained Growth in China: The Role of Emissions Trading. <i>Applied Energy</i> Special Issue on Emissions Trading Systems for Global Low Carbon Energy and Economic Transformation (under review).	
	Hai, H., Roland-Holst, D., Springer, C., and Wang, C. Emissions Trading Systems and Social Equity: A CGE Assessment for China. <i>Applied Energy</i> (under review).	
	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* (accepted, forthcoming).

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.

Reviewer for: *Resources, Conservation, and Recycling; Sustainable Cities and Society; Advances in Climate Change Research*; 20th Annual Conference on Global Economic Analysis

## 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

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** 2018: Data and Environmental Governance in China, 6th International Association of Energy Economics Asia Conference, 21st Annual Conference on Global Economic Analysis (invited), International Conference on Resource Sustainability (invited)

2017: International Association of Energy Economics Annual Conference, China Environmental Scholars Forum (invited)

2016: Central Asian Regional Modeling Analysis Workshop, Chinese Resource and Infrastructure Investments in Southeast Asia Workshop

2015: Writers' Workshop on Chinese Natural Resource Extraction in Southeast Asia, Annual Vietnam Forum (invited), Synberc Expanding Potential Conference

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

*Facilitator, Data and Diversity (ER199)* 2015  
University of California, Berkeley

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

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

*Liaison* 2015 - 2016  
Berkeley Energy and Resources Collaborative

*Student Representative* 2014 - present  
Energy and Resources Group Student Diversity Committee

**SKILLS** *Programming Languages:* R, Julia, GAMS  
*Languages:* Mandarin (advanced), Cantonese (basic)  
Martial arts instructor and student