

Cecilia Han Springer

310 Barrows Hall
Berkeley, CA 94720
(214) 498-6254
cecilia.h.springer@berkeley.edu

EDUCATION	<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
PROFESSIONAL EXPERIENCE	<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
FELLOWSHIPS AND GRANTS	<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
JOURNAL PUBLICATIONS	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.

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

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 2018: Data and Environmental Governance in China, 6th International Association of Energy Economics Asia Conference

2017: International Association of Energy Economics Annual Conference

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