

KELLY SIMS GALLAGHER
Professor of Energy and Environmental Policy
The Fletcher School
Tufts University
160 Packard Avenue | Medford, MA 02155

PROFESSIONAL EXPERIENCE

Tufts University, The Fletcher School, Medford, MA

Professor of Energy & Environmental Policy: 2015-present

Founding Director, Climate Policy Lab: 2016-present

Director, Center for International Environment and Resource Policy: 2013-present

Associate Professor of Energy & Environmental Policy: September 2009-2015 (tenured in 2013)

Lawrence Berkeley National Laboratory, Berkeley, CA

Affiliate, China Energy Group Visiting Faculty: 2016-present

The White House, Office of Science and Technology Policy, Washington, DC

Senior Policy Advisor (June 2014-September 2015)

Office of Special Envoy for Climate Change, State Department, Washington, DC

Senior China Advisor (June 2014- June 2015)

Tsinghua University, School of Public Policy and Management, Beijing, China

Visiting Professor: Summer 2010

Harvard University, John F. Kennedy School of Government, Cambridge, MA

Faculty Affiliate, Harvard University Center for Environment: 2015-present

Member of the Belfer Center for Science & International Affairs Board: 2008-present

Senior Research Associate, Belfer Center: September 2009-2014

Director, Energy Technology Innovation Policy (ETIP), Belfer Center: September 2003 - August 2009

Adjunct Lecturer of Public Policy: September 2007 – June 2009.

Research Fellow (Pre- and Post-Doctoral): September 2001 - August 2003

Ozone Action, Science Policy Director, Washington, DC: 1996 - 1998

The White House, Office of the Vice President, Truman Scholar, Washington, DC: 1995

Fluor Daniel Environmental Services, Director of EnfoBase, Irvine, CA: June 1994-May 1995 (part-time)

U.S. Mission to the United Nations, Intern, New York, NY: Fall 1993

EDUCATION

The Fletcher School, Tufts University

Ph.D., November 2003

M.A.L.D, May 2000

Occidental College

A.B., Environmental Studies and Diplomacy & World Affairs, *cum laude* and with honors, 1995

HONORS AND AWARDS

- *Globalization of Clean Energy Technology: Lessons from China* selected for Honorable Mention in Environmental Science category by the PROSE Awards of the Association of American Publishers (2015).
- White House Office of Science & Technology Policy Award for Excellence (October 2014)
- *American Academy of Arts and Sciences* Visiting Scholar (Spring 2012)
- Selected as *American Academy of Berlin* 2012 EADS Distinguished Visitor (2012)
- Invited to join *Council on Foreign Relations* as a lifetime member (2011)
- Holly Taylor Sargent Prize for Women's Advancement in Recognition of Outstanding Contributions to the Advancement of Women, *John F. Kennedy School of Government, Harvard University* (2004)
- Pre-and Post-Doctoral Research Fellowship at John F. Kennedy School of Government, Harvard University (2001-2003)
- P.E.O Scholarship (2001)
- Robert & Patricia Switzer Foundation Fellowship (1999)
- Harry S. Truman Scholar (1994)
- Stuart Moldaw Family Foundation Scholarship (1993)

PROFESSIONAL SERVICE

- Appointed to Payne Institute Advisory Board at Colorado School of Mines (2018-)
- Appointed to Vulcan Advisory Committee on Climate Change (2017-2018)
- Appointed to Energy Foundation Board (2016-2019)
- Appointed to U.S. National Research Council Board on Energy and Environmental Systems (2016-2019)
- Appointed to McKinnon Center for Global Affairs Advisory Board, Occidental College (2016-present)
- Appointed to Tyler Prize for Environmental Achievement selection committee (2016-present)
- Appointed to *National Research Council* study on infrastructure needs and barriers to EV deployment (2012-2014)
- Appointed to *American Academy of Arts and Sciences* Committee on International Security Studies (2012-2016)
- Appointed to *American Academy of Arts and Sciences* study on the legal, social, and economic considerations for the development of new energy technologies (2010-2012)
- Appointed to *President's Council of Advisors on Science and Technology (PCAST)* Working Group on the U.S. Energy Technology Innovation System (2010)
- Advisory Board of *Asia Society* Center on U.S.-China Relations (2010-2014)
- Advisory Board of MIT China Energy & Environment Research Group (student-run), (2010-2012)
- Appointed as Lead Author for *Global Energy Assessment* (2008-2010)
- Appointed to Task Force of Asia Society-Council on Foreign Relations Initiative for U.S.-China Cooperation on Energy and Climate (2008)
- Appointed to Task Force on Innovation, *China Council on International Environment and Development* (2007-2008)

TEACHING

- *Climate Change Policy*, The Fletcher School (2009-present)
- *International Energy Policy*, The Fletcher School (2010-present)
- *Innovation for Sustainable Prosperity*, The Fletcher School (2011-present)
- *Science, Technology, and Public Policy*, Harvard Kennedy School (2007, 2008)
- *Science, Technology and Innovation for Sustainable Prosperity*, Harvard Kennedy School (2006)

- *Energy Policy in an International Context*, The Fletcher School (2005)
- Leader of weekly seminar on *Energy Technology Innovation Policy*, Harvard Kennedy School (2003-2009)
- Leader of seminar series on *Innovation in Transportation* (2006-2008)

PUBLICATIONS

Books

1. Gallagher, Kelly Sims and Xuan, Xiaowei, *Titans of the Climate: Explaining Climate Policy Outcomes in the United States and China*, Cambridge: The MIT Press (forthcoming in 2018).
2. Gallagher, Kelly Sims 2017, *Acting in Time on Energy Policy*, (editor) Beijing, China: China Environmental Science Press (中国环境科学出版社)
3. Gallagher, Kelly Sims 2014, *The Globalization of Clean Energy Technology: Lessons from China*, Cambridge: The MIT Press.
4. Gallagher, Kelly Sims 2009, *Acting in Time on Energy Policy*, (editor) Washington, DC: Brookings Institution Press, May.
5. Gallagher, Kelly Sims 2007, *China Shifts Gears: Automakers, Oil, Pollution, and Development*, Beijing: Tsinghua University Press, May (Chinese edition).
6. Gallagher, Kelly Sims 2006, *China Shifts Gears: Automakers, Oil, Pollution, and Development*, Cambridge: The MIT Press, July.

Refereed Journal Articles

1. Narassimhan E., Gallagher, K.S., Koester, S. and J. Rivera Alejo 2018, “Carbon Pricing In Practice: A Review of Existing ETS Systems,” *Climate Policy*, forthcoming.
2. Anadon, L.D., Gallagher, K.S., and J.P. Holdren 2017, “Rescue U.S. Energy Innovation,” *Nature Energy*, Vol. 2: 760-763.
3. Funk, P., Xue, L, Liang, Z., Gallagher, K.S., Cowhey, P., and E. Fuchs 2017, “Why China Needs Data Sharing to Address its Air Quality Challenge,” *National Science Review*, Vol. 0, No. 0, 1-4.
4. Zhang, F. and K.S. Gallagher 2016, “Innovation and technology transfer through global value chains: Evidence from China’s PV industry,” *Energy Policy*, Vol. 94: 191-203.
5. Spang, E.S., Moomaw W.R., Gallagher, K.S., Kirshen, P.H. and D. H. Marks 2014. “The water Consumption of Energy Production: An International Comparison,” *Environmental Research Letters*, Vol. 9, No. 10, doi:10.1088/1748-9326/9/10/105002.
6. Spang, E.S., Moomaw W.R., Gallagher, K.S., Kirshen, P.H. and D. H. Marks 2014. “Multiple Metrics for Quantifying the Intensity of Water Consumption of Energy Production,” *Environmental Research Letters*, Vol. 9, No. 10, doi:10.1088/1748-9326/9/10/105003.
7. Biajini, Boni, Kuhl, Laura, Gallagher, K.S., and Claudia Ortiz 2014, “Technology Transfer for Adaptation,” *Nature Climate Change* 4: 828–834.
8. Gallagher, K.S. 2013, “Why and How Governments Support Renewable Energy,” *Daedalus*, Vol. 142, No. 1 (Winter).
9. Gallagher, K.S, Grubler, A., Kuhl, L., Nemet, G. and C. Wilson 2012, “The Energy Technology Innovation System,” *Annual Review of Environment and Resources*, 37:6.1-6.26, doi:10.1146/annurev-enviro-060311-133915.

10. Wilson, C., Grubler, A., Gallagher, K.S. and G. Nemet 2012, “Marginalization of end-use technologies in energy innovation for climate protection,” *Nature: Climate Change*, Vol. 2, 780-788, doi:10.1038/nclimate1576.
11. Gallagher, K.S., Anadon, L.D., Kempener, R., and C. Wilson 2011, “Trends in Global Energy Technology Innovation,” *Wiley Interdisciplinary Reviews: Climate Change*, Volume 2, Issue 3, May/June: 373–396.
12. Liu, H. and Gallagher, K.S. 2011, “Preparing to Ramp Up Large-Scale CCS Demonstrations: An Engineering-Economic Assessment of CO₂ Pipeline Transportation in China.” *International Journal of Greenhouse Gas Control*, Vol. 5, Issue 4, July: 798-804.
13. Gallagher, K.S. and E. Muehlegger 2011, “Giving Green to Get Green? Incentives and Consumer Adoption of Hybrid Vehicle Technology,” *Journal of Environmental Economics and Management*, Vol. 61, No. 1, January: 1-15.
14. Morrow, W. Ross, Gallagher, Kelly Sims, Collantes, Gustavo, and Henry Lee 2010, “Analysis of Policies to Reduce Oil Consumption and Greenhouse-Gas Emissions from the U.S. Transportation Sector” *Energy Policy*, Vol. 38, No. 3, March: 1305-1320.
15. Liu, H., and K.S. Gallagher 2010, “Catalyzing Strategic Transformation to a Low-Carbon Economy: A CCS Roadmap for China,” *Energy Policy*, Vol. 38, No. 1, January 59-74.
16. Mahadi, Arliadi and Kelly Sims Gallagher 2009, “Fuel Prices and Consumer Preferences for Vehicles,” *Journal of the Transportation Research Board*, No. 2139, Transportation Research Board of the National Academies, Washington, D.C., 2009, pp. 31–37.
17. Oliver, H., Gallagher, K.S., Tian, D., and J. Zhang 2009, “China's Fuel Economy Standards for Passenger Vehicles: Rationale, Policy Process, and Impacts,” *Energy Policy*, Vol. 37, No. 11: 4720-4729.
18. Zhao, Lifeng, Xiao, Yunhan, Gallagher, Kelly Sims, Wang, Bo and Xu Xiang 2008, “Economic Assessment of Deploying Advanced Coal Power Technologies in the Chinese Context,” *Energy Policy*, Vol. 36, No. 7: 2709-2718.
19. Zhao, Lifeng and Kelly Sims Gallagher 2007, “Research, Development, Demonstration, and Early Deployment Policies for Advanced Coal Technologies in China,” *Energy Policy*, Vol. 35, 6467-6477.
20. Gallagher, K.S., Holdren, J.P., and A.D. Sagar 2006, “Energy-Technology Innovation,” *Annual Review of Environment and Resources*, Vol. 31.
21. Gallagher, Kelly Sims 2006, “Limits to Leapfrogging in Energy Technologies: Evidence from the Chinese Automobile Industry,” *Energy Policy*, Vol. 34, No. 4, pp. 383-394.

Book Chapters

1. Lewis, Joanna and Kelly Sims Gallagher 2014, “Energy and Environment in China: Achievements and Enduring Challenges,” in VanDeveer, Stacey and Regina Axelrod (eds) The Global Environment: Institutions, Law, and Policy, CQ Press (fourth edition).
2. Gallagher, Kelly Sims and Qi Ye 2014, “Climate Change and Clean Energy” in Hachigian, Nina (ed) *Debating China: The U.S.-China Relationship in Ten Conversations*, Oxford University Press: Oxford, UK.
3. Gallagher, Kelly Sims 2014, “Hybrid Cars: Development and Deployment in Japan, the US, and China” in Grubler, Arnulf and Charlie Wilson (eds) Energy Technology Innovation: Learning from Historical Success and Failure, Cambridge University Press, Cambridge, UK.
4. Grubler, A., Anadon, L.D., Gallagher, K.S., Kempener, R, O’Rourke, A., and C. Wilson 2014, “Global R&D, Market Formation, and Diffusion Investments in Energy Technology Innovation” in Grubler, Arnulf and Charlie Wilson (eds) Energy Technology Innovation: Learning from Historical Success and Failure, Cambridge University Press, Cambridge, UK.
5. Kempener, R., Anadon, L.D., Gallagher, K.S., and Jiang, Kejun 2014, “Energy RD&D Investments in the

- Major Emerging Economies and the United States” in Grubler, Arnulf and Charlie Wilson (eds) Energy Technology Innovation: Learning from Historical Success and Failure, Cambridge University Press, Cambridge, UK.
6. Gallagher, Kelly Sims and Joanna Lewis 2012, “China’s Quest for a Green Economy,” Chapter 14 in Vig, Norman and Michael Kraft (eds) Environmental Policy, 8th Edition, CQ Press, Washington, DC.
 7. Grubler, A., F. Aguayo, K. S. Gallagher, M. Hekkert, K. Jiang, L. Mytelka, L. Neij, G. Nemet and C. Wilson, 2012, “The Energy Technology Innovation System (ETIS).” In Global Energy Assessment: Toward a Sustainable Future. L. Gomez-Echeverri, T.B. Johansson, N. Nakicenovic, A. Patwardhan, (eds.), IIASA, Laxenburg, Austria and Cambridge University Press, Cambridge, United Kingdom and New York, NY, USA.
 8. Lewis, Joanna and Kelly Sims Gallagher 2010, “Energy and Environment in China: Achievements and Enduring Challenges,” in VanDeveer, Stacey and Regina Axelrod (eds) The Global Environment: Institutions, Law, and Policy, CQ Press (third edition).
 9. Gallagher, Kelly Sims 2010, “The Challenge for Environment, Development, and Sustainability in China,” in Wilson, G.A., Furniss, P., and R. Kimbowa, (eds.) Environment, Development, and Sustainability: Perspectives and Cases from Around the World, Oxford University Press. *Reprinted in* Butcher, M. and T. Papaioannou (eds), 2013, New Perspectives in International Development, Bloomberg Academic and The Open University: London and New York.
 10. Gallagher, Kelly Sims 2009, “Acting in Time on Climate Change” in Gallagher, K.S. (ed) Acting in Time on Energy Policy, Washington, D.C.: Brookings Institution Press, May.
 11. Gallagher, Kelly Sims 2009, “Acting in Time on Energy Policy,” in Gallagher, K.S. (ed) Acting in Time on Energy Policy. Washington, D.C.: Brookings Institution Press, May.
 12. Gallagher, Kelly Sims 2009, “Global Giant: Is China Changing the Rules of the Game?” in Paus, Eva, Prime, Penelope, and Jon Western, The Rise of China: Global Implications, Palgrave MacMillan, New York.
 13. Pan, Jiahua and Kelly Sims Gallagher 2009, “Global Warming: The Road to Restraint,” in Gu Guoliang and Richard Rosecrance, Power and Restraint: A Shared Visions of the U.S. China Relationship, Public Affairs, New York: 119-136.
 14. Collantes, Gustavo and Kelly Sims Gallagher 2009, “Transportation-Specific Challenges for Climate Policy,” in Sperling, Daniel and James S. Cannon (eds), Reducing Climate Impacts in the Transportation Sector, Springer Press: 159-172.
 15. Gallagher, Kelly Sims 2009, “Oil and Natural Gas” in Pong, David, Encyclopedia of Modern China, Charles Scribner’s Sons and Thompson and Gale: Detroit.
 16. Gallagher, Kelly Sims 2009, “Electricity Generation” in Pong, David, Encyclopedia of Modern China, Charles Scribner’s Sons and Thompson and Gale: Detroit.
 17. Gallagher, Kelly Sims 2008, “Foreign Direct Investment and Clean Technology Leapfrogging in China,” in Gallagher, Kevin P. (ed) Handbook on Trade and Environment, Edward Elgar: Cheltenham, 147-155.
 18. Zhao, Lifeng and Kelly Sims Gallagher 2008, “Recent Progress and Remaining Challenges for Advanced Coal Technology in China,” *Oil, Gas, & Energy Law Intelligence (OGEL)*, Vol. 6, Issue 1, March.
 19. Moomaw, William R., Sims, Kelly, and Pearce Wright 2001, “A-Z of the Environment” in Celia Jaes Falicov (ed.), A-Z of the Environment: The Environment Encyclopedia and Directory 2001, 3rd Edition, London: Europa Publications, 35-156.
 20. Sims, Kelly 1999, “The Viability and Design of International Greenhouse Gas Emissions Trading,” in Susskind, Lawrence et al. (eds), *International Environmental Negotiation: An Integrative Approach*. Cambridge: PON Books, Harvard Law School.

Research Reports, Book Reviews, Conference Papers, and Other Articles

1. Haites, E., Duan, M.S., Gallagher, K.S., Mascher, S., Narassimhan, E., Richards, K., and M. Wakabayashi 2018, "Experience with Carbon Taxes and Greenhouse Gas Emissions Trading Systems," *Environmental Law Reporter*, forthcoming.
2. Gallagher, K.S. and L.D. Anadon 2018, "DOE Budget Authority for Energy Research, Development, and Demonstration Database," John F. Kennedy School of Government, Harvard University; The Fletcher School, Tufts University; and Cambridge University, March.
3. Myslikova, Z, Gallagher, K.S., and F. Zhang, 2017, "Mission Innovation 2.0, Recommendations for the Second Mission Innovation Ministerial in Beijing, China" *Climate Policy Lab Report*, The Fletcher School.
4. Narassimhan, E., Gallagher, K.S., Koester, S., and J. Rivera Alejo, 2017, "Carbon Pricing In Practice: A Review of the Evidence," *CIERP Discussion Paper*, The Fletcher School.
5. Gallagher, K. S., 2017. How does the US President settle on his science policy? *The Conversation*.
6. Hart, M., Gallagher, K.S., and M. Hourihan 2016, "Funding for Innovation: U.S. Clean Energy Innovation Funding Models and Potential Opportunities for US-China Cooperation," Discussion Paper for the U.S.-China Innovation Dialogue of the U.S.-China Strategic and Economic Dialogue, June.
7. Hart, M., Ogden, P., and K.S. Gallagher 2016, "Green Finance: The Next Frontier for U.S.-China Climate Cooperation", *Policy Brief*, Center for American Progress, June.
8. Gallagher, K.S. 2016, "The Carbon Consequences of China's Overseas Investments in Coal," *Policy Brief*, Center for International Environment and Resource Policy, The Fletcher School, Tufts University, May.
9. Gallagher, K.S., and F. Zhang 2016, "The Role of Private Sector Innovation in Scaling-up Global Solar PV Deployment," paper submitted to the International Renewable Energy Agency (IRENA), May.
10. Bhandary, R., Kuhl, L., Gallagher, K.S., Gopalkrishnan, T., Tessier, L., and G.E. Metcalf, 2016, "Research Needs in Climate Change Policy," Discussion Paper, Center for International Environment and Resource Policy, The Fletcher School, April.
11. Gallagher, K.S. and L.D. Anadon 2016, "DOE Budget Authority for Energy Research, Development, and Demonstration Database," John F. Kennedy School of Government, Harvard University; The Fletcher School, Tufts University; and Department of Science, Technology, Engineering & Public Policy, University College of London, March 4.
12. Gallagher, K.S. 2015, "What makes technology transfer successful? *Climate Policy*, Vol. 15, No. 1, 180-182 (book review).
13. Gallagher, K.S. and Z. Myslikova 2014, "Collective Action: Mitigation, Adaptation, Innovation: The Case of the Chinese PV Industry," *Power and Energy Magazine*, IEEE, Vol.12, No.5, pp.28-33, Sept/Oct, doi: 10.1109/MPE.2014.2331891.
14. Xuan Xiaowei and K.S. Gallagher 2014, "Prospects for Reducing Carbon Intensity in China," CIERP Discussion Paper No. 8, The Fletcher School, February.
15. K.S. Gallagher and Fang Zhang 2013, "Innovation and Technology Transfer Across Global Value Chains: Evidence from China's PV Industry," Climate Technology & Development Case Study for the *Climate and Development Knowledge Network*, UK, July.
16. Gallagher, K.S. 2013, "What Makes Technology Transfer Successful," book review of [Green Innovation in China](#), *Climate Policy*, DOI: 10.1080/14693062.2014.848139.
17. Gallagher, K.S. and J.C. Randell 2012, "What Makes U.S. Energy Consumers Tick?" *Issues in Science and Technology*, National Academies Press, Summer.

18. American Academy of Arts & Sciences 2011, "Beyond Technology: Strengthening Energy Policy Through Social Science," a report of the AAAS study group on Social Science and the Alternative Energy Future, Cambridge, MA. (K.S. Gallagher on steering committee of study group).
19. Gallagher, K. S. and L.D. Anadon 2011, "DOE Budget Authority for Energy Research, Development, & Demonstration Database." Energy Technology Innovation Policy research group, Belfer Center for Science and International Affairs, Harvard Kennedy School, March 3.
20. Gallagher, K.S, Siegel, J.R., and Aaron Strong 2011, "Harnessing Energy: Technology Innovation in Developing Countries to Achieve Sustainable Prosperity," Background paper prepared for the 2011 World Economic and Social Survey, Department of Economic and Social Affairs of the United Nations Secretariat, New York.
21. President's Council of Advisors on Science and Technology 2010, "Report to the President on Accelerating the Pace of Change in Energy Technologies Through an Integrated Federal Energy Policy," Office of Science and Technology Policy, The White House, November 29. (Kelly Sims Gallagher was a member of the PCAST Energy Technology Innovation System Working Group co-chaired by Ernie Moniz and Maxine Savitz).
22. Gallagher, K.S., Strong, A., Mathys, T., Davidson, N., Manghani, R., van der Wansem, M., and W.R. Moomaw, 2010, "Key Research Priorities for Global Climate Change Policy," Discussion Paper. Medford, MA: Energy, Climate, and Innovation Group, CIERP, The Fletcher School, June 2010.
23. Anadon, L.D., Bunn, M., Chan, G., Chan, M., Gallagher, K.S., Jones, C., Kempener, R., Lee, A. and V. Narayanamurti 2010. DOE FY 2011 Budget Request for Energy Research, Development, Demonstration, and Deployment: Analysis and Recommendations. Cambridge, Mass.: Report for Energy Technology Innovation Policy research group, Belfer Center for Science and International Affairs, Harvard Kennedy School, April.
24. Gallagher, K.S. and L.D. Anadon 2010. "DOE Budget Authority for Energy Research, Development, & Demonstration Database." Energy Technology Innovation Policy research group, Belfer Center for Science and International Affairs, Harvard Kennedy School, April.
25. Morrow, W. Ross, Gallagher, K.S., Collantes, G., and H. Lee 2010. "Analysis of Policies to Reduce Oil Consumption and Greenhouse-Gas Emissions from the U.S. Transportation Sector." Paper, Belfer Center for Science and International Affairs, Harvard Kennedy School, February.
26. Gallagher, K.S. 2009. "Breaking the Climate Impasse with China: A Global Solution." Discussion Paper 09-32, *Harvard Project on International Climate Agreements*, Belfer Center for Science and International Affairs, Harvard Kennedy School, November.
27. Gallagher, K.S. 2009, "Key Opportunities for U.S.-China Cooperation on Coal and CCS," John L. Thornton China Center at The Brookings Institution, December (available at: http://www.brookings.edu/papers/2009/12_us_china_coal_gallagher.aspx).
28. Anadon, L.D., Gallagher, K.S., and M. Bunn 2009. DOE FY 2010 Budget Request and Recovery Act Funding for Energy Research, Development, Demonstration, and Deployment: Analysis and Recommendations. Cambridge, Mass.: Report for *Energy Technology Innovation Policy* research group, Belfer Center for Science and International Affairs, Harvard Kennedy School, June 25.
29. Gallagher, K.S. and L.D. Anadon 2009. "DOE Budget Authority for Energy Research, Development, & Demonstration Database," June 12.
30. Zhao, L., Xiao, Y., and K.S. Gallagher 2009. A Joint Workshop on Promoting the Development and Deployment of IGCC/Co-Production/CCS Technologies in China and the United States. Cambridge, Mass.: Report for Energy Technology Innovation Policy research group, Belfer Center for Science and International Affairs, Harvard Kennedy School, June 3.

31. Oliver, H. H., Gallagher, K.S., Tian, D., and J. Zhang 2009, "China's Fuel Economy Standards for Passenger Vehicles: Rationale, Policy Process, and Impacts." Discussion Paper, *Energy Technology Innovation Policy* research group, Belfer Center for Science and International Affairs, Harvard Kennedy School, March.
32. Anadon, L.D., Gallagher, K.S., Bunn, M. and C. Jones 2009, "Tackling U.S. Energy Challenges and Opportunities: Preliminary Policy Recommendations for Enhancing Energy Innovation in The United States." Cambridge, Mass.: Report for *Energy Technology Innovation Policy* research group, Belfer Center for Science and International Affairs, Harvard Kennedy School.
33. Mahadi, A. and K.S. Gallagher 2009, "Fuel Prices and Consumer Preferences for Vehicles" in U.S. Transportation Research Board, 88th Annual Meeting Compendium of Papers, Paper #09-0177, Washington, DC.
34. Oliver, H. H., Gallagher, K.S., Li, M, Qin, K., Zhang, J, Li, Huan, and H. Kebin, 2009. "In-use Vehicle Emissions in China: Beijing Study." Discussion Paper 2009-05, Energy Technology Innovation Policy research group, Belfer Center for Science and International Affairs, Harvard Kennedy School, March.
35. Anadon, L.D., Gallagher, K.S. and M. Bunn, "DOE FY09 Budget Request for Energy Research, Development & Demonstration – Commentary," *Energy Technology Innovation Policy*, Belfer Center for Science and International Affairs, Harvard Kennedy School, Cambridge, Mass, June 3, 2008.
36. Gallagher, K.S. 2008. "Synthesis of Comments Received on 'Policy Options for Reducing Oil Consumption and Greenhouse-Gas Emissions from the U.S. Transportation Sector,'" *Energy Technology Innovation Policy*, Belfer Center for Science and International Affairs, Harvard Kennedy School, Cambridge, Mass, January 2.
37. Gallagher, K.S. 2007, "China's Place in the Sun," *Current History*, November/December.
38. Gallagher, K.S., Collantes, G., Holdren, J. P, Frosch, R., and H. Lee 2007, "Policy Options for Reducing Oil Consumption and Greenhouse Gas Emissions in the U.S. Transportation Sector," *BCSIA Discussion Paper*, Belfer Center for Science and International Affairs, Harvard University.
39. Gallagher, K.S., Sagar, A., Segal, D., de Sa, P., and J.P. Holdren. "U.S. Government Investments in Energy Innovation Database." *Energy Technology Innovation Policy*, Belfer Center for Science and International Affairs, Harvard University, 2005, 2006, 2007 (annually updated).
40. Gallagher, K.S. and M. Bunn 2007, "Assessing the President's FY2008 Budget," Belfer Center for Science and International Affairs, Harvard University, February.
41. Gallagher, K.S. 2006, "Barriers and Incentives for Hybrid Vehicles in China," a report on a roundtable convened by the project on Energy Technology Innovation Policy at Harvard University and the China Automotive Technology and Research Center in Beijing, May.
42. Gallagher, K.S. and H.H. Oliver 2005. "Providing Low-Sulfur Fuels for Transportation Use: Policy Options and Financing Strategies in the Chinese Context." Paper presented at International Conference on Low-Sulfur Fuels, sponsored by the U.S. Environmental Protection Administration and China's State Environmental Protection Administration, Beijing, July.
43. Sagar, A. and K.S. Gallagher 2004, "Energy Technology Demonstration and Deployment." In *Ending the Energy Stalemate: A Bipartisan Strategy to Meet America's Energy Challenges*. Washington, D.C.: National Commission on Energy Policy, December.
44. Gallagher, K.S. and J. P. Holdren 2004, "U.S. Government Policies Relating to International Cooperation on Energy." In *Ending the Energy Stalemate: A Bipartisan Strategy to Meet America's Energy Challenges*. Washington, D.C.: National Commission on Energy Policy, December.

45. Gallagher, K.S., Frosch, R., and J. P. Holdren 2004. "Management of Energy - Technology Innovation Activities at the Department of Energy." In *Ending the Energy Stalemate: A Bipartisan Strategy to Meet America's Energy Challenges*. Washington, D.C.: National Commission on Energy Policy, December.
46. Gallagher, K.S. and J. Zhao 2004, "Lessons from U.S. Clean Vehicle Policy," Belfer Center for Science & International Affairs Working Paper Series, Energy Technology Innovation Project, Cambridge, MA: Harvard University.
47. Gallagher, K.S. 2003, *Foreign Direct Investment as a Vehicle for Deploying Cleaner Technologies: Technology Transfer and the Big Three Automakers in China*. Ph.D. Dissertation, Medford, MA: The Fletcher School, Tufts University, June (doctoral thesis).
48. Gallagher, K.S. 2003, "Foreign Technology in China's Automobile Industry: Implications for Energy, Economic Development, and Environment." *China Environment Series*, Washington, D.C.: Woodrow Wilson Center for International Scholars.
49. Zhao, J. and K. S. Gallagher 2003, "Clean Vehicle Development in China." *The Sinosphere Journal*, Vol. 6, No. 2, March.
50. Gallagher, K.S. 2001, "US-China Energy Cooperation: A Review of Joint Activities Related to Chinese Energy Development Since 1980," *Belfer Center for Science & International Affairs Working Paper Series*. Paper 2001-21, Energy Technology Innovation Project, Cambridge, MA: Harvard University, November.
51. Gallagher, K.S. 2001, "Charge to the Bush Administration," *China Environment Series*. Woodrow Wilson International Center for Scholars, Issue 4, 57-59.
52. "What Road Ahead? Scenarios for the Future of United States-China Relations, 2001-2010," Workshop Report Sponsored by Nautilus Institute, April 2001 (co-author with all participants).

Testimony

- Gallagher, K.S., Hearing on "Global Investment Trends in Clean Energy Technologies," before the full *Senate Energy and Natural Resources Committee*, Washington, DC, 17 March, 2011.
- Gallagher, K.S., Hearing on "Greenhouse-Gas Emissions Standards and Fuel Efficiency Standards for Medium and Heavy-Duty Engines and Vehicles," before the *U.S. Environmental Protection Agency and National Highway Traffic Safety Administration*, Cambridge MA, 19 November 2010.
- Gallagher, K.S., "China's Energy Consumption and Opportunities for U.S.-China Cooperation to Address the Effects of China's Energy Use," before the *U.S.-China Economic and Security Review Commission*, Washington, DC, 15 June 2007.

DOCTORAL STUDENT SUPERVISION

Chair of Doctoral Committee (year graduated)

- Laura Kuhl (The Fletcher School, 2017)
- Kartikeya Singh (The Fletcher School, 2016)

Reader (year graduated)

- Long Lam (Carnegie Mellon University, 2017)
- Josh Newton (The Fletcher School, 2014)
- Edward Spang (The Fletcher School, 2012)
- Craig Hart (MIT, 2007)

Former Pre- and Post-Doctoral Research Fellows (current affiliation as of 5/17)

- Mohammed Al-Juaied (Saudi Aramco)
- Laura Diaz Anadon (University of Cambridge)
- Kathleen Araujo (Stony Brook University)
- Debyani Ghosh (EnerNoc)
- LIU Hengwei (Engie, China)
- W. Ross Murrow (consultant)
- Hongyan Oliver (Massachusetts Department of Transportation)
- Jennie Stephens (Northeastern University)
- Gloria Visconti (Inter-American Development Bank)
- WANG Bo (University of International Business and Economics, Beijing)
- ZHAO Lifeng (Institute of Thermoengineering Physics, Chinese Academy of Sciences)
- ZHAO Xingshu, Institute of American Studies (Chinese Academy of Social Sciences)

SPONSORED RESEARCH (by dates of grants received)

UNDP (2018), Rockefeller Brother Fund (2017-18), Energy Foundation China (2016-17), ClimateWorks (2017-18), BP Group (2015-17); National Renewable Energy Laboratory (2014), Anonymous Donor (2013-15), BP Group (2011-2014), BP Group (2010), The William and Flora Hewlett Foundation (multiple grants, latest 2009), BP Alternative Energy (2009, 2006), The Doris Duke Charitable Foundation (2007), The David and Lucile Packard Foundation (2007), The Winslow Foundation (2006), BP Carbon Mitigation Initiative (2006), U.S. Environmental Protection Agency (2006), Shell Exploration and Production (gift) (2006), The Energy Foundation (2004, 2003), Heinz Family Foundation (2003).

CONSULTANCIES

International Renewable Energy Agency (2016), OECD (2013), UN Department of Economic and Social Affairs (2011), U.S. Department of Energy (2009-2010)

EDITORIAL BOARD MEMBER

- *Wiley Interdisciplinary Reviews: Climate Change*, Domain Editor for The Carbon Economy and Climate Mitigation (2011-2014)
- *Environmental Research Letters* (2009-2014)
- *Environment* (2008-2011)

REFEREE (alphabetical)

Climatic Change, *Climate Policy*, Columbia University Press, Department of Energy, Earthscan, *Ecological Economics*, *Energy Policy*, Intergovernmental Panel on Climate Change Working Group III – Mitigation, 2007, *Industrial and Social Change*, *International Journal of Hydrogen Energy*, *International Security*, *International Studies Quarterly*, John Wiley & Sons, *Journal of the Air and Waste Management Association*, The MIT Press, Nature: Energy; National Science Foundation, *Negotiation Journal*, *Science*, University of Chicago Press.

LANGUAGES

Proficient in basic conversational Mandarin Chinese and Spanish

UNIVERSITY SERVICE

Committees:

- Tufts Research Strategic Plan Working Group (2018)
- Fletcher Academic Council (2013-2014, 2015-present)
- Fletcher Tenure and Promotion Committee (2016-present)
- Fletcher Strategic Plan Steering Committee (2013-2014)
- Tufts Divestment Advisory Group (2013-2014)
- Tufts Sustainability Council (2012-2014)
- Fletcher Ad Hoc Committee on Governance (2012-present)
- Fletcher Ph.D. Committee (2009-2012, Chair 2013-2014)
- Tufts Strategic Plan Water Thematic Working Group (2012-2013)
- Fletcher Diversity and Inclusiveness Committee (2009-2013)
- Fletcher Ad Hoc Brand Committee (2011)

Research Centers

- Director, Center for International Environment and Resource Policy (CIERP) (2013-2014, 2015-present)
- Founder and Director of the Climate Policy Lab in CIERP (2016-present)
- Founder and Director of the *Energy, Climate, and Innovation (ECI)* research program in the Center for International Environment and Resource Policy (CIERP) (2009-present)
- Member of the Executive Board of the *Hitachi Center for Technology and International Affairs* (2015-present).
- Deputy Director of the *Hitachi Center for Technology and International Affairs* (2011-2013).

Other:

- Chair of search committee for bridge professorship in water, health, and security
- Contributor to Fletcher International Women in Leadership initiative.
- Member of search committee for environmental policy (2012)
- Member of search committee for junior environmental economist (2010)

PERSONAL

Born 8/21/73 in Denver, CO. Spouse: Kevin P. Gallagher. Children: Theodore (born 2005) and Estelle (born 2009).

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